MONOGRAPHIA
PNEUMONOPOMORUM
VIVENTIUM.

SISTENS

DESCRIPTIONES SYSTEMATICAS ET CRITICAS

OMNIUM HUJUS ORDINIS GENERUM ET SPECIERUM
HODIE COGNITARUM,

ACCEDENTE FOSSILIUM ENUMERATIONE.

SUPPLEMENTUM PRIMUM.

AUCTORE

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CASSELLANO.

CASSELLIS.

LONDON. Williams & Norgate, 14, Henrietta Street, Covent-Garden.

SUMPTIBUS THEODORI FISCHER.

1858.

PARIS. A. Franck, rue Richelieu, 67. Friedr. Klinksieck, rue de Lille, 11.

Cassellis, typis Theodori Fischer.

LUDOVICI PFEIFFER

MONOGRAPHIA PNEUMONOPOMORUM VIVENTIUM.

II.

Praefatio.

Quae annorum sex spatio scientiam nostram auxerunt novae observationes et species nuperius detectae, quantum fieri poterat exacte et complete in hoc Monographiae supplemento collegi, Tibique, Lector benevole! in ordinem systematicum redactas propono.

Longe maximam specierum novarum partem ipse descripsi, non solum ex amicissimi H. Cuming Museo, sed etiam ex aliorum Virorum communicatis, inter quae primum locum obtinent numerosae species in variis insulae Cubae regionibus ab amico Gundlach collectae, quarum ope errores nonnullos, praesertim species Orbignyanas spectantes, corrigere licuit. Quas non ipse vidi species novas, ab Auctoribus descriptas, exactis Auctorum verbis suis locis inserui.

Necessarium fuit, completam specierum seriem iterum enumerari, quia ad fere quamlibet citationes Auctorum recentiorum vel iconum addendae erant.

Nihilominus jam hoc ipso momento enumeratio incompleta est, quia, dum haec scripsi, egregiae species novae, in provinciis orientalibus insulae Cubae a Cl. Gundlach detectae, mihi pervenerunt, cum reliquis Deo favente in Supplemento secundo colligendae!

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Dr. L. Pfeiffer.

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PNEUMONOPOMA.

Historiam ordinis in Monographia mea 1852. p. 1 tractatam notitiis sequentibus completiorem reddi opus est.

Illustris progenitor systematum recentiorum, Lamarckius 1809 in „Philosophie zoologique“ I. p. 320, sicut in operibus posterioribus, affinitatem intimam inter genera Helicinam et Cyclostoma existentem nondum cognovit, quare haec genera diversis familiis adscripsit. Secunda sectio Gasteropodorum (*Corps en spirale*; *point de syphon*) familias amplectitur: *les Colymacées* (genera: Hélix, Hélicine, Bulime, Amphibulime, Agathine, Maillot), *les orbacées* (genera: Cyclostome, Vivipare, Planorbe, Ampullaire), *les auriculacées*, etc. etc.

Eodem anno quo Ferussacius ordinem Pulmonatorum Operculatorum proposuit, Cl. Gray (Essay on the arrangement of Mollusca in: Medical Repository 1821) in eodem sensu pro generibus Lamarckianis Cyclostomate et Helicina ordinem secundum Pneumobranchiatorum nomine *Phaneropneumonorum* constituit. Eodem nomine ab auctore 1850 in *M. E. Gray* Fig. of Moll. Anim. IV. p. 120 subordo secundus Pneumobranchiatorum designatur, familias complectens *Cyclophoridarum*, *Oligyradarum* et *Aciculadarum*. — In Catalogo Phaneropneumonorum Musei Britannici 1852 tandem subordo eodem modo ac in Monographia mea divisus est.

Cl. Latreille primum 1824 in „Annales des sciences naturelles“ III. p. 328 ordinem constituit nomine gallico: *les Pneumopomes* dictum.

Inter recentissimos scriptores systematicos Cl. Philippi 1853 (Handb. d. Conch. p. 257) familiam septimam Pulmonatorum habet *Cyclostomacea*, ordini nostro omnino respon-

dentem, cum praeter Cyclostomacea sensu stricto etiam genera *Ferussina*, *Pupina*, *Stoastoma*, *Helicina*, *Acme*, *Geomelania* et *Truncatella* (nec non *Menestho Moell.*) ei adscripta sint.

Cl. Woodward 1854 (Man. of Mollusca II. p. 175) Gasteropodorum pulmoniferorum sectionem alteram: *Operculata* habet, in duas familias: *Cyclostomidas* (includentes Helicinam) et *Aciculidas* divisa.

Cl. fratres H. et A. Adams 1855 (The Genera of recent Mollusca II. p. 272) sequente modo ordinem tractant. Ordo: *Operculata*. Subordo I. *Ectophthalma*. Fam. *Cyclophoridae* (subfam.: *Cyclotinae*, *Cyclophorinae*, *Pupininae*, *Cyclostominae*, *Pomatiasinae*) et *Helicinidae*. Subordo II. *Opisophthalma*. Familia: *Truncatellidae*. Subordo III. *Prosophthalma*. Familia: *Assiminidae*.

Ipse 1856 in Monographia Auriculaceorum App. p. 180 Truncatellam familiae Aciculaceorum adscripsi, generisque et specierum descriptiones edidi — et paulo serius (Malak. Bl. III. p. 118) genus Diplommatinam in familia *Diplommatinaceorum* in locum aptiorem transferre, sc. subordini Opisophthalmarum adscribere proposui.

Cl. Troschel denique 1856 (D. Gebiss d. Schnecken I. p. 64) ordinem nostrum sub nomine originario Ferussaciano *Pulmonatorum Operculatorum* tractavit, praeter familias *Aciculaceorum*, *Pomatiaceorum*, *Cyclotaceorum*, *Cyclostomaceorum* (s. str.), *Helicinaceorum* et *Truncatellaceorum* etiam *Ampullariacea* huc referens. Omnes has familias characteribus linguae et dentium inter se discrepantes observavit auctor.

De organis auditoriis et inprimis de Otolithis plurium Operculatorum specierum tandem 1857 scripsit Cl. Ad. Schmidt in „Beiträge zur Malakologie“ p. 54 et seq.

Methodo in Monographia adoptata parum mutata ad enumerationem generum et specierum notarum progrediamur.

Subordo I. Opisophthalma.

Pfr. Mon. Pneum. p. 3. — *Gray* Cat. Phan. p. 303. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 309: subordo Operculatorum. — *Pfr.* in Mal. Bl. 1856. p. 118, ubi fam. Diplommatinaceorum adjungitur.

Fam. I. Aciculacea.

Pfr. Mon. Pneum. p. 3. — Mal. Bl. 1856. p. 118. — *Aciculadae Gray* Fig. Moll. Anim. IV. p. 121. — *Aciculidae Gray* Cat. Phan. p. 303; *Woodward* Man. Moll. II. p. 178. — *Truncatellidae H.* et *A. Adams* Gen. II. p. 310. — *Aciculaceae Poey* Memor. II. p. 3.

I. Acicula Hartmann.

Conf. *Pfr.* Mon. Pneum. p. 3; et *Dupuy* Moll. de France p. 522 (*Acme*). Synonymis addatur: *Acicula Gray* 1852. Cat. Phan. p. 303; *Woodw.* 1854. Man. p. 178; *Ad.* Gen. p. 312. — *Acme Philippi* 1853. Handb. d. Conch. p. 262; *Dupuy* l. c.; *Forb.* et *Hanl.* Brit. Moll. IV. p. 204; *Moquin-Tandon* Moll. de France II. p. 507 (sectiones: *Auricella*, *Platyla*).

1. A. lineata (Bulimus) Draparnaud.

Descriptionem vide *Pfr.* Mon. Pneum. p. 4. (Coll. Nr. 1.)

Turbo . . . *Boys* et *Walk.* Test. min. rar. p. 12.*) t. 2. f. 42. (absque nomine specifico.)

— *fuscus Mont.* 1803. Test. Brit. p. 330 (ex Walk.); *Wood.*

Bulimus lineatus Drap. 1801, *Turt.*

— *subdiaphanus Biv.*

Auricula lineata Drap.

Helix cochlea Stud.

Auricella lineata Jurine.

Carichium acicularis Fér.

Carychium lineatum Fér., *Mich.*

— — *Pot.* et *Mich.* Gal. Douai I. p. 199.

— — *De Betta* Malac. Valle di Non. p. 125. t. 1. f. 4.

— *cochlea Stud.*

— *fuscum Flem.*

Acicula lineata Hartm.

— *fusca Pfr.* Mon. Pneum. p. 4. n. 1.

— — *Stein* Berl. Schn. p. 83. t. 2a f. 26.

— — *M. E. Gray* Fig. Moll. Anim. t. 123. f. 9. (ex Hartm.)

*) Turbo quinque anfractibus striatis apertura subovali. The five-spired striated turbo with a suboval aperture. The colour opaque brown. From Bysing-Wood near Faversham — very rare. (Walk. l. c.)

Acicula fusca Gray Cat. Phan. p. 304.
— — *De Betta* et *Mart.* Moll. Venet. p. 73.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 312. t. 88. f. 3.
Acme lineata Hartm., Fitz.
— — *Dupuy* Moll. France p. 527. t. 27. f. 2.
— — *Forb.* et *Hanl.* Brit. Moll. IV. p. 204. t. 125. f. 7.
— — (Auricella) *Moq.-Tand.* Moll. Fr. p. 509. t. 38. f. 4—7.
— *fusca Beck, Gray, Thomps.*
Cyclostoma lineatum Porro.
Pupula lineata Agass., Villa, Stab. Fauna Elvet. p. 45. t. 1. f. 43.
— *acicularis lineata Hartm.*
Truncatella lineata Held.
Habitat in Europae terris.

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2. **polita Hartm.** (Coll. 2. — *Gray* Phan. p. 304. — *Ad.* Gen. p. 313. — *Acme fusca Dupuy* Moll. Fr. p. 525. t. 27. f. 1. — Platyla *Moq.-Tand.* Moll. Fr. — *Carychium lineatum Gallenst.* Kärnt. p. 81.) Pneum. p. 5.
3. **Simoniana Charp.** (*Gray* Phan. p. 305. — *Ad.* Gen. p. 313. — *Hydrobia? Simoniana Dupuy* Moll. Fr. p. 574. t. 28. f. 11. — *Drouet* Moll. Fr. p. 30.— *Acme Simoniana* [Platyla] *Moq.-Tand.* Moll. Fr.) - - 6.

4. **A. Moutoni (Acme) Dupuy.** †

„Testa cylindracea, apice vix attenuata et obtusa, imperforata, costulis capillaceis, confertissimis et perfecte regularibus elegantissime ornata; apertura ovato-subpiriformi, superne acuta, peristomate sejuncto, intus incrassatulo, carnescente-labiato, margine externo, more Pleurotomorum quorumdam, ad angulum superiorem decurvato; anfractibus 6—7 convexo-planulatis, sutura perspicua separatis et sensim accrescentibus. Nitidissima, pallide corneo-virescens. — Operculum tenuissimum, pellucidum et corneo-subvirescens. — Alt. $2^1/_2$ — $3^1/_2$ mill. Diam. $^3/_4$ — 1 mill.“ (Dupuy.)

Acme Moutonii Dupuy 1849 Cat. extr. Gall. Test. n. 4.
— — *Dupuy* Moll. de France p. 529. t. 27. f. 3.
— — *Drouet* Moll. de France p. 25.
— — (Auricella) *Moq-Tand.* Moll. Fr. p. 508. t. 38. f. 1—3.
Habitat rarissima circa Grasse Galliae (Mouton).

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5. **spectabilis Rossm.** (Coll. 3. — *Gray* Phan. p. 305. — *De Betta* et *Mart.* Moll. Ven. p. 73. — *Ad.* Gen. p. 313.) . . . . Pneum. p. 6.
6. **? striata Quoy.** † (*M. E. Gray* Fig. Moll. Anim. IV. p. 121. t. 123. f. 11 [ex Quoy]. — *Gray* Phan. p. 305. — *Ad.* Gen. p. 313. — *Cyclostoma striata Quoy* et *Gaim.* — *Truncatella Quoyi Pfr.* olim.) - - 6.

II. Geomelania Pfr.

De genere conf. *Pfr.* Mon. Pneum. p. 7, *Gray* Cat. Phan. p. 306, *Philippi* Handb. p. 262, *Chitty* Contr. to Conch. Nr. 1. p. 4, *Woodw.* Man. II. p. 176, *H.* et *A. Adams* Gen. rec. Moll. II. p. 311. — De animale vide *A. Adams* in Proc. Zool. Soc. 1849. p. 169.

Species.

1. **Jamaicensis Pfr.** (Coll. 4. — *Petit* in Journ. Conch. I. t. 2. f. 4. — *Gray* Phan. p. 306. — *Ad.* Gen. II. p. 311. t. 88. f. 2.) . . . . . . Pneum. p. 7.
2. **minor C. B. Ad.** (Coll. 5. — *Gray* Phan. p. 309.) - - 8.
3. **fortis C. B. Ad.** (*Gray* Phan. p. 306.) . . . - - 8.
4. **magna C. B. Ad.** (*Gray* Phan. p. 307.) . . - - 8.
5. **procera C. B. Ad.** (*Gray* Phan. p. 307. — Conf. *Chitty* Contr. to Conch. Nr. 1. p. 6.) . . - - 9.
6. **gracilis C. B. Ad.** (*Gray* Phan. p. 307.) . . - - 9.
7. **typica C. B. Ad.** (*Gray* Phan. p. 308.) . . . - - 9.
8. **expansa C. B. Ad.** (*Gray* Phan. p. 308.) . . - - 10.
9. **affinis C. B. Ad.** (*Gray* Phan. p. 309.) . . - - 10.
10. **media C. B. Ad.** (*Gray* Phan. p. 309.) . . . - - 10.
11. **vicina C. B. Ad.** (*Gray* Phan. p. 309.) . . - - 11.
12. **Hilliana C. B. Ad.** (*Gray* Phan. p. 310.) . - - 11.
13. **exilis C. B. Ad.** (*Gray* Phan. p. 310.) . . . - - 11.
14. **pauperata C. B. Ad.** (*Gray* Phan. p. 310.). - - 12.
15. **Beardsleana C. B. Ad.** (*Gray* Phan. p. 311.) - - 12.
16. **pygmaea C. B. Ad.** (Coll. 6. — *Gray* Phan. p. 311.) . . . . - - 12.
17. **conica C. B. Ad.** (*Gray* Phan. p. 311.) . . - - 12.
18. **pyramidata C. B. Ad.** (*Gray* Phan. p. 312.) - - 13.
19. **costulosa C. B. Ad.** (*Gray* Phan. p. 312.) . - - 13.
20. **striosa C. B. Ad.** (*Gray* Phan. p. 312.) . . - - 13.
21. **elegans C. B. Ad.** (*Gray* Phan. p. 313.) . . - - 14.

22. **G. sinuosa Chitty.** †

T. conica, cylindrica, alba, costis acutis, tenuibus, transversis eleganter sculpta et striis spiralibus microscopicis creberrimis notata; spira rectilinearis, truncata; anfr. superst. 6 convexi; sutura profunda; apertura ovalis, latere dextro modice effusa, superne angulata, obliqua; labrum incrassatum, acute reflexum, nec productum; labium solutum, sinu circulari a labro separatum. — Diverg. media 16°; long. 0,22; lat. 0,05. (Ch.)

Geomelania sinuosa Chitty Contr. to Conch. Nr. 1. p. 5.

Habitat „Ashly Hall, Trelawny“ insulae Jamaicae.

23. **G. inornata Chitty.** †

T. elongata, conica, cylindrica, alba, sub lente costis confertis rotundatis munita; spira rectilinearis, truncata; anfr. superst. 5 perconvexi; sutura modice impressa; apertura ovalis, superne angularis; labrum effuse productum, latere dextro late reflexum; labium modice incrassatum et reflexum, superne ad anfractum penultimum appressum, sinu levi a labro separatum. — Diverg. media circa $13^1/_2$°; long. 0,36; lat. 0,08. (Ch.).

Geomelania inornata Chitty Contr. to Conch. Nr. 1. p. 5.

Habitat in insula Jamaica.

24. **G. parva Chitty.** †

Testa *G. eleganti var. min.* persimilis, costis numerosioribus et confertioribus, striisque spiralibus minutioribus distincta; anfr. superst. 5; labium a labro sinu nullo separatum. — Divèrg. media 15—16°; long. 0,16; lat. 0,05. (Ch.)

Geomelania parva Chitty Contr. to Conch. Nr. 1. p. 6.

Habitat „Peace River, Manchester“ insulae Jamaicae.

III. Truncatella Risso.

De genere conf. *Pfr.* Mon. Auric. App. II. p. 175, et de speciebus Cubanis *Pfr.* in Malak. Bl. III. 1856. p. 118. — Species hodie mihi notae sunt sequentes.

1. **valida Pfr.** (Coll. 6.) . . . . Auric. p. 184.
2. **Vitiana Gould** (Coll. 7. — *Gould* Exp. Sh. 1846. p. 40.*) Ed. 1851. t. 8. f. 126. — *Tr. conspicua Bronn, Pfr.* Mon. Auric. n. 2) . . . . - - 184.
3. **Guerini Villa.** (Coll. 8.) . . . . - - 184.

4. **Tr. aurantia Gould.** †

„Testa parva, decollata, conico-cylindracea, aurantia, subperforata, longitudinaliter confertim clathrata; clathris elevatis, rectis, numero ad 40 in singulis anfractibus: spira anfr. 5

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*) Testa decollata, conico-cylindracea, solidula, flavido-cinerea; spira anfr. superstitibus 4—5 planiusculis, costulis subrectis, elevatis, obtusis ad 30 clathratis: apertura obliqua, rotundato-elliptica; peristomate expanso, continuo, anfractui penultimo haud adnato, costa marginato quae postice ad suturam producta est; operculum laminatum. — Long. $^3/_{10}$, lat. $^1/_{10}$ poll.— Hab. Feejee Islands. (Gould l. c.)

convexis: apertura obliqua, ovata; peristomate albo, continuo, reflexo. — Long. $^3/_{10}$, lat. $^1/_{10}$ poll." (G.)

Truncatella aurantia Gould Exp. Sh. 1846. p. 39. Ed. 1851. t. 8. f. 125.

Habitat „Mangsi Island" Borneo.

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5. **Caribaeensis Sow.** (Coll. 9. — *Tr. variabilis Pfr.* — *Tr. Gouldii Ad.* — *Tr. succinea Ad.*) . Auric. p. 185.
6. **marginata Küst.** (Coll. 10.) . . . . - - 186.

7. Tr. porrecta Gould. †

„Testa parva, elongata, subcylindrica, decollata, albida; spira anfr. superstitibus 4 convexis, clathris humilibus acutis ad 16 instructis, ad intervallos minutissime et longitudinaliter striatis: apertura rotundato-lunata, anfractui penultimo late sejuncta; peristomate continuo, extrorsum expanso: operculum laminis arrectis radiantibus excentricis ornatum. — Lat. $^3/_{40}$, alt. $^1/_4$ poll." (G.)

Truncatella porrecta Gould Exp. Sh. 1846. p. 40. Ed. 1851. t. 8. f. 127.

Habitat Taheiti.

8. **Ceylanica Pfr.** (Coll. 11.) . . . . Auric. p. 186.
9. **subcylindrica Gray** (Coll. 12.) . . . . - - 186.
10. **Bairdiana Ad.** (Coll. 13.) . . . . - - 187.
11. **teres Pfr.** (Coll. 14 — *Pfr.* in Proc. 1856. p. 336.) . . . . - - 188.

12. Tr. Californica Pfr.

T. non rimata, turrito-cylindracea, truncata, tenuiuscula, leviter striata, parum nitens, pallide rubello-cornea; spira sursum vix attenuata; sutura simpliciter marginata; anfr. superst. 4 convexi, sensim accrescentes, ultimus basi non compressus; apertura verticalis, ovalis, superne vix angulata; perist. simplex, continuum, margine dextro expanso, superne subrepando, columellari adnato. — Long. $4^2/_3$, diam. $1^2/_3$ mill. Ap. $1^1/_3$ mill. longa. (Coll. Nr. 15.)

Truncatella Californica Pfr. in Proc. Zool. Soc. 1857. p. 111.

Habitat S. Diego Californiae (Gould).

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13. **truncatula Drap.** (Coll. 16. — *Tr. costulata* et *laevigata Risso.* — *Tr. Hammerschmidtii Charp.* — *Tr. exilis Mk.?*) . . . . Auric. p. 188.

14. Tr. Lowei Shuttleworth. †

„Testa solida, truncata, cylindracea, laevigata, nitida, succinea; anfr. 4 — $4^1/_2$, convexiusculi, ultimus circa aperturam

imprimis gibbosus, deinde constrictus; sutura foveolato-marginata; apertura oblique obovalis; perist. continuum, incrassatum, ad anfr. penultimum calloso-effusum. — Long. $5^1/_2$, lat. 2 mill. Ap. $1^1/_2$ mill. longa." (Sh.)

Truncatella Lowei Shuttl. Diagn. n. Moll. Nr. 1. p. 12.

Habitat ad oram maritimam insulae Teneriffae (Blauner).

Obs. „Obesior quam *Tr. laevigata*, vix cum ea conjungenda. Huc forsan ut forma costulata referenda est *Tr. truncatula β Lowe* in Zool. Journ. V. p. 302. t. 13. f. 13—18."

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15. **Montagui Lowe** (Coll. 17. — *Helix subcylindrica Linn* Mus. teste *Hanley* Ipsa Linnaei Conch.) Auric. p. 190.

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16. **scalariformis Reeve**. (Coll. 18.) . . . . - - 191.
17. **Barbadensis Pfr**. (Coll. 19. — Proc. 1856. p. 337.) . . . . - - 192.
18. **bilabiata Pfr**. (Coll. 20.) . . . . - - 192.
19. **pulchella Pfr**. (Coll. 21.) . . . . - - 192.
20. **elongata Poey**. (Coll. 22. — *Poey* Memor. II. p. 25. t. 2. f. 23. 24.*) — Cabo Cruz: Gundlach.) - - 193.

21. **Tr. lirata Poey**. †

„Hanc speciem mecum communicavit Cl. Bland, detectam inter folia tabaci cubensis advecta portum noveboracensem. Primo adspectu de testa scripsi: „Simillima *Tr. elongatae*, sed interstitiis confertissime liratis; liris spiralibus." Nescio usque adeo observatio secunda confirmaverit aut denegaverit similitudinem peritrematis: costis, longitudine, diametro, omnino similis *Tr. elongatae*." (Poey.)

Truncatella lirata Poey Memor. II. p. 25.

Habitat in insula Cuba.

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22. **modesta Ad**. † . . . . Auric. p. 193.
23. **Adamsi Pfr**. (*Tr. scalariformis Ad.*) . . . - - 194.

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24. **scalaris Mich**. (Coll. 23. — *Tr. costata Pfr.* olim. — *Tr. Cumingii Ad.*) . . . . - - 194.

25. **Tr. rostrata Gould**. †

„Testa parva, conico-cylindracea, nitida, decollata, incarnata, oblique clathrata; clathris ad 12 robustis: spira anfr. 5

*) Testa subrimata, solida, subcylindrica, truncata, carnea, confertim costata; costis transversis interstitia aequantibus; anfr. 6 convexi, sutura profundissima disjuncti, ultimus basi coarctatus; apertura subverticalis, oblique ovalis; peritr. continuum, leviter evasum, margine dextro simplice, sinistro duplicatim incrassato. — Long. $5^1/_2$, diam. 1 mill. — Hab. Holguin ins. Cubae, teste Dr. Gutierrez. (Poey l. c.)

convexiusculis: apertura parva, oblique ovata; peristomate continuo, crasso, albido, duplici, reflexo. — Lat. $^3/_{40}$, alt. $^9/_{40}$ poll." (G.)

Truncatella rostrata Gould Exped. Sh. 1846. p. 40*). Ed. 1851. t. 8. f. 128.

Habitat Rio Janeiro.

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26. **clathrus Lowe** . . . . Auric. p. 195.

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27. **striatula Mk.** (Coll. 24. — *Tr. striata Sow.?*) - - 196.

Fam. II. Diplommatinacea.

Oculi in parte posteriore baseos tentaculorum longorum, filiformium positi, e lobis duobus constantes, quorum major profunde in tentaculo immersus est, alter punctum nigrum ad latus majoris externum format. (Bens.) — Operculum subtestaceum, paucispirum.

Diplommatinacea Pfr. in Malak. Bl. III. 1856. p. 118.

Familia quoad locum systematicum hucusque dubia, quoad typicas formas nunc bene stabilita. Incertum tamen remanet, num sectio *Arinia* et genus *Paxillus* revera huc pertineant.

IV. Diplommatina Benson.

De genere conf. *Pfr.* Mon. Pneum. p. 121; *Gray* Cat. Phan. p. 85 (genus Cyclophorinorum); *Pfr.* in Chemn. Conch. Ed. nov. I. 19. p. 387; *Woodward* Man. Moll. II. p. 177 (subgenus Cyclophori); *Benson* in Ann. and Mag. N. H. 2d. ser. XIV. p. 417. XV. p. 329; *H.* et *A. Adams* Gen. rec. Moll. II. p. 287 (genus Pupininarum). — Operculum in testa profunde immersum.

Specierum numerus paucorum annorum spatio valde auctus est, et species notae sequente modo distribui possunt.

A. Abnomes, laevigatae (*Arinia H.* et *A. Adams*) . . . . §. 1. Nr. 1.

B. Normales,

a. dextrorsae . . . . §. 2. — 2—7.

b. sinistrorsae . . . . §. 3. — 8—14.

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*) In size and color it is much like *Tr. Cumingiana Ad.*, which is still smaller, has only 8 bars, which are whitish, more elevated and acute. The secondary lip gives the base of the shell, when viewed in profil, a rostrated appearance. (Gould.)

§. 1.

1. **Sowerbyi Pfr.** (Coll. 25. — *Gray* Phan. p. 85. — *D. minor* [Arinia] *Ad.* Gen. p. 288. — *Cyclostoma minus Sow.)* . . . . Mon. p. 121.

§. 2.

2. **folliculus Pfr.** (Coll. 26. — *Gray* Phan. p. 86. — *Ch.* ed. nov. p. 388. t. 48. f. 32. 33. — *Ad.* Gen. p. 287. t. 86. f. 5. — *Carychium costatum Hutt.* — *Bulimus folliculus Pfr.* olim.) . . . . - - 122.
3. **costulata Hutt.** (Coll. 27. — *Gray* Phan. p. 86. — *Ch.* ed. nov. p. 389. t. 48. f. 34. 35. — *Ad.* Gen. p. 287. — *Carychium costulatum Hutt.* — *Carychium parvulum Boys.)* . . . . - - 122.

4. **D. diplocheilus Benson.**

T. dextrorsa; vix rimata, ovato-conica, subfusiformis, medio ventricosior, solidiuscula, carneo-albida, vix translucens, leviter nitens; spira conica, apice acuta; sutura profunda; anfr. $6^1/_2$—7 convexi, primi costati, 3 postremi laeviores, antepenultimus major, tumidus; apertura verticalis, subauricularis, pallide carnea, nitens, plica columellari valida nutante munita; perist. duplex: internum continuum, expansum, externum planato-expansum, margine sinistro sinuato, infra angulo saliente desinens, callo parietali magno, expanso, superne suturam fere attingente, subtus soluto marginem elevatum formante. — Operculum retractile. — Long. $3^2/_3$, diam. 2 mill. Ap. 1 mill. longa. (Coll. Benson.)

Diplommotina diplocheilus Bens. in Ann. and Mag. 2d. ser. 1857. XIX.
— — *Pfr.* Novit. conch. I. n. 234. t. 37. f. 13—15.

Habitat ad Teria Ghát, Montium Khasia dictorum portam (W. Theobald).

5. **D. pachycheilus Benson.**

T. dextrorsa, non rimata, ovato-acuminata, laevis, obsolete costulato-striata, pallide cornea, translucens, nitida; spira attenuato-conica, apice obtusiuscula; sutura impressa; anfr. 7 convexiusculi, antepenultimus major, tumidus, ultimus antice alte ascendens; apertura verticalis, late auricularis, plica columellari valida, transversa, munita; perist. subduplex, sinuatum, incrassatum, infra sinistro angulatum, callo parietali expanso, appresso, margine columellari sinuato. — Operc.? — Long. 4, diam. $2^1/_3$ mill. Ap. $1^1/_4$ mill. longa. (Coll. Benson.)

Diplommatina pachycheilus Bens. in Ann. and Mag. 2d. ser. 1857. XIX.

Diplommatina pachycheilus Pfr. Novit. conch. I. n. 235. t. 37. f. 16—18.
Habitat ad Darjiling (H. Blanford).

6. **D. polypleuris Benson.** †

„Testa dextrorsa, non rimata, oblongo-ovata, confertim oblique chordato-costulata, pallide carnea, apice obtusiusculo, hyalino, sutura profunda; anfractibus 6 convexis, antepenultimo tumidiusculo; apertura verticali, subcirculari, dente columellari munita; peristomate duplici, interiori expansiusculo, externo expanso, ad basin sinistrám angulato-rotundato, callo parietali mediocri, appresso. — Operc.? — Long. vix 2, diam. 1 mill.“ (B.)

Diplommatina polypleuris Bens in Ann. and Mag. 2d. ser. 1857. XIX.
Habitat Nanclai Ponji („forty five miles from Cherra.“ Theobald).

7. **D. minor (Paxillus) A. Adams.**

T. dextrorsa, vix subrimata, fusiformi-ovata, tenuiuscula, confertissime costulato-striata, diaphana, cornea; spira ventroso-conica, acuta; anfr. 7 convexi, ultimus antice ascendens; apertura obliqua, angulato-rotundata, plica valida, dentiformi columellae coarctata; perist. subduplex, marginibus approximatis, expansis. — Long. $3^1/_3$, diam. fere 2 mill. Ap. $1^1/_3$ mill. longa. (Coll. Nr. 28.)

Paxillus minor A. Adams in Proc. Zool. Soc. 1852. p. 93.*)
— — *Pfr.* in Malakoz. Bl. 1855. p. 185.
Diplommatina minor H. et *A. Adams* Gen. rec. Moll. II. p. 287.
Habitat . . .?

§. 3.

8. **D. Macgillivrayi Pfr.**

T. sinistrorsa, breviter rimata, oblongo-ovata, tenuis, diaphana, pallide cornea; spira turgida; anfr. 6 convexi, superi 2 apicem subpapillatum formantes, sequentes 2 distanter chordato-costulati, penultimus latissimus, confertius costulatus, ultimus antice ascendens, $^1/_3$ longitudinis paulo superans, confertissime costulatus, basi rotundatus; apertura vix obliqua, subcircularis; perist. duplex: internum appressum, externum

*) P. testa dextrorsa, ovali, tenui, epidermide fusca obtecta; anfractibus septem convexis, longitudinaliter confertim costellatis vel valde striatis; apertura suborbiculari, ascendente, antice subproducta; peristomate duplici, externo reflexo, dilatato; labio plica dentiformi valida instructo. (A. Adams l. c.)

breviter et aequaliter expansum. — Long. 6, diam. 3 mill. Ap. $2^1/_3$ mill. longa. (Coll. Nr. 29.)

Diplommatina Macgillivrayi Pfr. in Proc. Zool. Soc. 1854. p. 303.

— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 287.

β. Violaceo-fusca, anfractu ultimo pallide unifasciato.

Habitat „Lord Howe's Island" Oceani Australici (Macgillivray).

9. **D. capillacea Pfr.**

T. sinistrorsa, breviter rimata, ovato-conica, tenuis, capillaceo-striata, pellucida, haud nitens, pallide cornea; spira turgida, sursum conica, apice acutiuscula; anfr. 6 convexiusculi, penultimus latissimus, ultimus antice ascendens, $^1/_3$ longitudinis paulo superans, basi rotundatus; apertura subverticalis, circularis; perist. album, expansum, indistincte duplicatum, marginibus callo junctis. — Long. 5, diam. $2^2/_3$ mill. Ap. 2 mill. longa. (Mus. Cuming.).

Diplommatina capillacea Pfr. in Proc. Zool. Soc. 1854. p. 303.

— — *H.* et *A. Adams.* Gen. rec. Moll. II. p. 287.

Habitat „Lord Howe's Island" Oceani Australici (Macgillivray).

10. **D. chordata Pfr.**

T. sinistrorsa, profunde rimata, subfusiformis, tenuis, laevigata, costulis subdistantibus chordaeformibus munita, diaphana, cereo-albida; spira ovato-conica, apice acuta; anfr. 7 convexi, ultimus attenuatus, antice ascendens; apertura vix obliqua, subcircularis; perist. duplex: internum continuum, breviter adnatum, caeterum expansiusculum, externum breviter patens. — Long. 4, diam. 2 mill. Ap. $1^1/_2$ mill. longa. (Mus. Cuming.)

Diplommatina chordata Pfr. in Proc. Zool. Soc. 1855. p. 105.

β. Minor, confertius chordata.

Habitat in Nova Seelandia (Strange); var. in „Lord Howe's Island" Novarum Hebridarum (Macgillivray).

11. **D. Bensoni A. Adams.**

T. sinistrorsa, vix subrimata, fusiformi-ovata, tenuiuscula, subdistanter chordato-costulata, corneo-albida; spira inflato-conica, apice obtusula; anfr. 6 turgidi, ultimus angustior, $^1/_3$ longitudinis non attingens, antice ascendens, basi rotundatus; apertura fere verticalis, subcircularis; perist. duplex: internum flexuosum breviter porrectum, externum patens. — Long. $3^1/_2$, diam. vix 2 mill. Ap. 1 mill. longa. (Coll. Nr. 30.)

Diplommatina Bensoni A. Adams in Proc. Zool. Soc. 1852. p. 94.*)
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 287.
Habitat „Moreton-Bay" Australiae orientalis (Strange).

12. **D. Australiae Benson.** †

„T. sinistrorsa, rimata, subovato-conica, glabra, subremote costata, pallide cornea, spira ovato-conica, apice acutiusculo; anfractibus 6 convexis, ultimo angustiore, antice ascendente; apertura verticali, subcirculari, peristomate duplice, posteriori expanso, anteriori expansiusculo, marginibus nitidis, diaphanis, callo junctis, exteriori superne breviter producto, columellari dilatato, tuberculo inconspicuo vel obsoleto. Operculo remoto, normali, lamella vix elevata. — Long. $3^1/_2$, diam. vix 2 mill." (B.)
Diplommatina Australiae Bens. in Ann. and Mag. N. H. 2d. ser. XV. p. 331. (1855.)
Habitat ad „Mount Warren, Point Danger" Australiae orientalis (Strange).

13. **D. Cantori Pfr.**

T. sinistrorsa, subrimata, ovato-oblonga, tenuiuscula, confertim et oblique plicata, albida; spira ovata, in conum acutiusculum terminata; anfr. 6 convexiusculi, ultimus ascendens, $^1/_3$ longitudinis vix superans; apertura subverticalis, circularis; perist. subsimplex, continuum, superne adnatum, caeterum breviter expansum. — Long. 2, diam. 1 mill. Ap. $^2/_3$ mill. longa. (Mus. Cuming.)
Diplommatina Cantori Pfr. in Proc. Zool. Soc. 1856. p. 336.
— — *H* et *Adams* Gen. rec. Moll. II. p. 287.
Habitat „Lord Howe's Island" Novarum Hebridarum (Macgillivray).

14. **Huttoni Pfr.** (Coll. 31. — Proc. 1852. p. 157. — *Chemn.* ed. nov. p. 389. t. 48. f. 36. 37. — *Gray* Phan. p. 86. — *Ad.* Gen. p. 287.) . . . . . Pneum. p. 123.

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*) D. testa minima vix rimata sinistrorsa, cylindrico-ovata, costellata, costulis distantibus obliquis regularibus; anfractibus sex, convexis, apice subobtuso; apertura rotundata; peristomate duplicato, externo expanso reflexo, interno recto, margine flexuoso. (A. Ad. l. c.)

V.? Paxillus H. et A. Adams.

De genere, cujus locus systematicus deficiente animalis et operculi (?) cognitione adhuc dubius remanet, conferatur *Pfr.* Mon. Helic. III. p. 585 et *A. Adams* in Proc. Zool. Soc. 1852. p. 93, ubi Helicidis adnumeratur, ut etiam in *Woodw.* Man. II. p. 166. In recentissimo opere Cl. fratres *H.* et *A. Adams* (Gen. rec. Moll. II. p. 288) Paxillum tamquam subgenus Diplommatinae injunxerunt. — Species hucusque unica:

1. **adversus H. et A. Ad.** (Coll. 32. — *Pfr.* in Malak. Bl. 1855. p. 186. — *Diplommatina adversa* [Paxillus] *Ad.* Gen. p. 286.) . . . Helic. III. p. 586.

Subordo II. Ectophthalma.

Pfr. Mon. Pneum. p. 14. — *Gray* Cat. Phan. p. 3. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 273: subordo Operculatorum.

Familia I. Cyclostomacea.

Pfr. Mon. Pneum. p. 14; *Philippi* Handb. d. Conch. p. 257 exclusis generibus pluribus. — *Cyclophoridae Gray* Fig. Moll. Anim. IV. p. 120 et Cat. Phan. p. 3; *H.* et *A. Adams* Gen. rec. Moll. II. p. 273.

Subfam. I. Cyclotea.

Operculum crassum, e duabus laminis compositum (exteriore plerumque calcarea, interiore cornea, ambabus sulco marginali separatis), orbiculare, arctispirum, nucleo centrali.

Cyclotina Gray Cat. Phan. p. 6.

Cyclotinae H. et *A. Adams* Gen. rec. Moll. II. p. 274.

Cyclotacea Trosch. Gebiss d. Schnecken p. 66. (inclusis Cyclophoreis et Pupineis).

I. Cyclotus Guilding.

Pfr. Mon. Pneum. p. 16; *Gray* Phan. p. 6; *Woodw.* Man. p. 177 (subgenus Cyclophori); *H.* et *A. Adams* Gen.

II. p. 274 (genus Cyclotinarum; subgenera: *Aperostoma, Cyrtotoma).*

Conspectus specierum.

A. Normales.		
I. Peristomate simplice,		
a. recto.		
α. Striati	§. 1.	Nr. 1—13.
β. Granulati vel punctati	§. 2.	— 14—17.
γ. Rugosi	§. 3.	— 18—27.
δ. Oblique plicati	§. 4.	— 28—30.
ε. Spiraliter striati	§. 5.	— 31—37.
b. expanso.		
α. Subturbinati	§. 6.	— 38—40.
β. Planorboidei,		
1. laevigati vel striati	§. 7.	— 41—42.
2. spiraliter lirati	§. 8.	— 43—47.
II. Peristomate duplicato	§. 9.	— 48—59.
B. Pterocycloidei	§. 10.	— 60—62.

§. 1.

1. **giganteus Gray.** (Coll. 1. — *Gray* Phan. p. 7. — Aperostoma *Ad.* Gen. p. 275. — Hab. Marmato Novae Granadae: *Bland* in Ad. Contr. to Conch. Nr. 11. p. 228.) . . . . Mon. p. 16.

2. **C. irregularis Pfr.**

T. umbilicata, turbinato-depressa, solida, confertim striata, fulvida; spira breviter turbinata, acutiuscula; sutura profunda; anfr. 5 convexi, ultimus superne turgidus, ad suturam late canaliculatus, infra medium fascia lata fusca notatus, circa umbilicum infundibuliformen, intus valide plicatum subangulosus; apertura obliqua, subtriangulari-ovalis, superne angulata; perist. continuum, breviter adnatum, rectum, margine dextro dilatato, columellari incrassato, leviter arcuato, ad basin subcanaliculato. — Operc. angustispirum, margine anfractuum elevato. — Diam. maj. 37, min. 30, alt. 19 mill. Ap. $18^1/_2$ mill. longa, 16 lata. (Mus. Cuming. et Coll. Nr. 2 juv.)

Cyclostoma irregulare (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1855. p. 117.

Habitat Costarica Americae centralis.

3. **Quitensis Pfr.** (Coll. 3. — Proc. 1852. p. 61. — *Ch.* ed. nov. p. 340. t. 44. f. 19—22. — *Gray* Phan. p. 7. — Aperostoma *Ad.* Gen. p. 276. — Hab. Marmato et Santa Ana prope Mariquito Novae Granadae: *Bland* in Ad. Contr. to Conch. p. 228.) . . . . Mon. p. 17.

4. **Inca Orb.** (Coll. 4. — *M. E. Gray* Fig. Moll. Anim. t. 311. f. 18. — *Mörch* Yold. p. 40. n. 804. — *Gray* Phan. p. 8. — Aperostoma *Ad.* Gen. p. 275. t. 85. f. 1. — *Cyclostoma Inca Orb.* Voy. t. 46. [nec 16.] f. 21—23.) . . . . Mon. p. 19.

5. **C. Dunkeri Pfr.**

T. late umbilicata, depressa, solidula, regulariter et subconferte costato-plicata, sub epidermide olivacea albida; spira vix elevata, vertice minuto, subprominulo; anfr. $4^1/_2$ convexiusculi, rapide accrescentes, ultimus antice solutus, supra medium obtuse carinatus, fasciaque nigricante cum superjacente alba notatus; apertura vix obliqua, subcircularis, intus pallide coerulescens; perist. continuum, rectum, margine supero breviter producto, sinuatim in sinistrum transeunte. — Operc.? — Diam. maj. $32^1/_2$, min. 25, alt. 12 mill. Ap. fere 12 mill. diam. (Coll. Tams.)

Cyclotus Dunkeri Pfr. in Malak. Bl. III. 1856. p. 256.

Habitat in Nova Granada.

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6. **translucidus Sow.** (Coll. 5. — *Gray* Phan. p. 309. — Aperostoma *Ad.* Gen. p. 276.) . . . . Mon. p. 20.

7. **C. spurcus Grateloup.**

T. umbilicata, depressiusculo-turbinata, solida, confertim striatula, nitidula, lutescenti-albida; spira turbinata, apice acutiuscula; anfr. 5 convexi, rapide accrescentes, ultimus rotundatus; umbilicus conicus, $^1/_6$ diametri occupans; apertura parum obliqua, rotundato-ovalis, superne subangulata; perist. rectum, acutum, marginibus approximatis, columellari subincrassato, expansiusculo. — Operc.? — Diam. maj. 18, min. 15, alt. 11 mill. Ap. 9 mill. longa, 8 lata. (Mus. Cuming.)

Cyclostoma spurca Grat. Act. Bord. XI. p. 444. t. 3. f. 18.

Otopoma spurcum Gray, Pfr. Mon. p. 187. n. 13.

— • — *Gray* Cat. Phan. p. 131.

Cyclostomus spurcus (Otopoma) *H.* et *A. Adams* Gen. II. p. 293.

Habitat Malabar, Bombay.

Obs. Etsi operculo deficiente, ex testae affinitatibus (ut bene monet Cl. Benson in Ann. and Mag. 1854. XIV. p. 417.) species huc referenda videtur.

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8. **Popayanus Lea.** (Coll 6. — *Gray* Phan. p. 10.— Aperostoma *Ad* Gen. p. 276. — Hab. in ripis fluvii Cauca infra Marmato et prope Mendes: *Bland* in Ad. Contr. p. 228.) . . . . Mon. p. 21.

9. **crassus Ad.** (Coll. 7. — *Ch.* ed. nov. p. 344. t. 44.

f. 14—16. — *Gray* Phan. p. 16. — Aperostoma *Ad.* Gen. p. 275.) . . . . Mon. p. 29.

10. **prominulus Fér.** (Coll. 8. — *Gray* Phan. p. 11. — Aperostoma *Ad.* Gen. p. 276. — *Cyclost. Brasiliense Sow.* — *Cyclotus brasilianum Mörch* Yold. p. 40. n. 805). . . . . - - 23.

11. **suturalis Sow.** (Coll. 9. — *Gray* Phan. p. 11. — Aperostoma *Ad.* Gen. p. 276.) . . . . - - 24.

12. **C. dubiosus C. B. Adams.**

T. umbilicata, depressa, fere discoidea, conferte capillaceo-striata, sub epidermide fulvida alba; spira vix elevata, apice obtusulo; sutura levis; anfr. vix 4 convexi, rapide accrescentes, ultimus prope suturam subplanatus, antice dilatatus; umbilicus $1/_3$ diametri occupans; apertura vix obliqua, subcircularis; perist. simplex, rectum, breviter adnatum. — Operc.? — Diam. maj. $9^1/_2$, min. 7, alt. 4 mill. Ap. diam. 4 mill. (Mus. Cuming.)

Cyclostoma dubiosum Adams Contrib. to Conch. Nr. 9. p. 157.
Cyclotus dubiosus Pfr. Mon. Pneum. p. 25. n. 14.
— — *Gray* Cat. Phan. p. 12.
— — (Aperostoma) *H.* et *A. Adams* Gen. II. p. 275.

Habitat in insula Jamaica.

13. **Fortunei Pfr.** (Proc. 1852. p. 146. — *Chemn.* ed. nov. p. 375. t. 49. f. 3—5. — *Gray* Phan. p. 17. — Aperostoma *Ad.* Gen. p. 275.) . . . . Mon. p. 30.

§. 2.

14. **cingulatus Sow.** (*Gray* Phan. p. 8. — Aperostoma *Ad.* Gen. p. 275.) . . . . - - 18.

15. **C. Bogotensis Pfr.**

T. umbilicata, turbinato-depressa, tenuiuscula, malleato-punctata, nitida, fusco-viridis; spira parum elevata, apice obtusiuscula, albida; anfr. $4^1/_2$ convexi, rapide accrescentes, ultimus teres, peripheria linea albida cingulatus, circa umbilicum mediocrem, conicum pallidus; apertura parum obliqua, subcircularis, superne vix angulata; perist. rectum, continuum, breviter adnatum, margine dextro perarcuato, sinistro subincrassato, minus arcuato. — Operc. planum, angustispirum. — Diam. maj. 22, min. 17, alt. 11 mill. Ap. 11 mill. longa, 10 lata. (Mus. Cuming. et Coll. Nr. 10.)

Cyclostoma Bogotense (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1855. p. 117.

Habitat in Nova Granada.

Obs. Proximus *C. cingulato,* praeter staturam operculo multo arctius spirato discrepans.

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16. **asperulus Sow.** (Coll. 11. — *Gray* Phan. p. 10. — Aperostoma *Ad.* Gen. p. 275. — *Cyclost. asperulum Ad.* Contr. p. 180. n. 77.) . . . . Mon. p. 21.

17. **C. Granadensis Shuttleworth.** †

„Testa umbilicata, orbiculata, tenuiuscula, superne anguloso-maculata, in anfractu ultimo striato-plicatula, vix diaphana, rufescenti-cornea, ad innovationes testae rufo anguste strigatula; spira parum elevata, apice obtusula; anfract. 4 celeriter accrescentes, valde convexi, ultimus inflatus, antice dilatatus, circa umbilicum latiusculum non compressus; sutura sat profunda; apertura subobliqua, subcircularis, superne angulata, intus nitida; peristoma simplex, acutum, vix continuum, rectum, margine dextro subproducto, sinistro subeffuso. — Operc. testaceum, 6-spiratum, anfractibus planis, margine interno leviter et obtuse incrassato-elevato. — Diam. maj. 16, min. 13, alt. 12 mill. Ap. 8 mill. alta, 7 lata.“ (Sh.)

Cyclostoma Granadense (Cyclotus) *Shuttl.* in Journ. Conch. V. 3. (Jan. 1857) p. 266.

Habitat in insula Granada (Newcomb).

Obs. „Differt a *C. asperulo Sow.*, cui sculptura persimilis, testa magis elevata, anfr. convexioribus et colore.“

§. 3.

18. **laxatus Sow.** (Coll. 12. — *Chemn.* ed. nov. p. 259. t. 35. f. 3. 4. — *Gray* Phan. p. 8. — Aperostoma *Ad.* Gen. p. 276.) . . . . Mon. p. 18.
19. **Jamaicensis Chemn.** (Coll. 13. — *Ch.* ed. nov. p. 343. — *Mörch* Yold. p. 40. n. 802. — *Gray* Phan. p. 13. — Aperostoma *Ad.* Gen. p. 276. — Var. γ: *Cyclostoma seminudum Ad.* — *Cyclotus seminudus Pfr.* Mon. Pneum. p. 28. n. 9. — *Gray* Phan. p. 15. — Aperostoma *Ad.* Gen. p. 276.) . . - - 25.
20. **corrugatus Sow.** (Coll. 14. — *Ch.* ed. nov. p. 343. — *Mörch* Yold. p. 40. n. 803. — *Gray* Phan. p. 13. — Aperostoma *Ad.* Gen. p. 275.) . . - - 26.
21. **jugosus Ad.** (Coll. 15. — *Ch.* ed. nov. p. 342. t. 44. f. 10—13. — *Gray* Phan. p. 14. — Aperostoma *Ad.* Gen. p. 276.) . . . . - - 27.

22. **C. pallescens C. B. Adams.**

T. late umbilicata, depressa, solidula, sub epidermide fusca alba; spira brevissime turbinata, rufula; anfr. $4^1/_2$, superi regulariter et conferte striati, ultimus superne depressus, rudi-

ter et irregulariter rugatus, basi laevior, circa umbilicum angulatus; apertura obliqua, fere circularis, superne angulatim producta, intus fulvida, nitida; perist. simplex, breviter adnatum, superne productum, margine dextro vix expansiusculo, columellari subincrassato. — Operc. *C. jugosi*, anfractibus paulo angustioribus. — Diam. maj. 30, min. 24, alt. 15 mill. Ap. 14 mill. longa, 12½ lata. (Coll. Nr. 16.)

Cyclostoma pallescens C. B. Adams Contr. p. 143.

Cyclotus pallescens Pfr. Mon. Pneum. p. 27. n. 18.

— — *Gray* Cat. Phan. p. 14.

— — (Aperostoma) *H.* et *A. Adams* Gen. II. p. 276.

Habitat in insula Jamaica.

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23. **varians C. B. Ad.** (Coll. 17. — *Ch.* ed. nov. p. 341. t. 44. f. 7—9. — *Gray* Phan. p. 15. — Aperostoma *Ad.* Gen. p. 276.) . . . . Mon. p. 27.
24. **subrugosus Sow.** (*Ch.* ed. nov. p. 325. — *Gray* Phan. p. 15. — Aperostoma *Ad.* Gen. p. 276.) . - - 28.
25. **? Duffianus C. B. Ad.** † (*Gray* Phan. p. 16. — Aperostoma *Ad.* Gen. p. 275.) . . . . . . - - 29.
26. **perpallidus C. B. Ad.** † (*Gray* Phan. p. 16. — Aperostoma *Ad.* Gen. p. 276.) . . . . - - 29.

27. **C. daucinus Pfr.**

T. umbilicata, depressa, solidula, subangulata, daucina vel albida; spira parum elevata; sutura simplex; anfr. 4½ convexi, sensim accrescentes, superiores spiraliter striati, ultimus rugosus, carina mediocri, antice evanescente munitus; umbilicus conicus, ¼ diametri paulo superans; apertura parum obliqua, subcircularis; perist. simplex, rectum, ad anfractum penultimum breviter interruptum. — Operc. anguste et obsolete spiratum. — Diam. maj. 12, min. 10, alt. 6 mill. Ap. diam. 5 mill. (Mus. Cuming.)

Cyclostoma daucinum (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1856. p. 337.

Habitat in insulis Salomonis.

Obs. Differt a *C. Recluziano*, cui affinis, anfractibus lentius accrescentibus, umbilico angustiore, sculptura, etc.

§. 4.

28. **stramineus Reeve** (Coll. 18. — *Gray* Phan. p. 9. — Aperostoma *Ad.* Gen. p. 276.) . . . . Mon. p. 20.
29. **Dysoni Pfr.** (Coll. 19. — *Cyclost. Dysoni Pfr.* Proc. 1851. p. 243. — *Ch.* ed. nov. p. 259. — *Cyclophorus ? Dysoni Pfr.* Mon. Pneum. n. 80. — *Gray* Phan. p. 69. — *Ad.* Gen. p. 280. — Operculum typicum! — Var. umbilico paulo latiore: Chiapa reipublicae mexicanae teste Ghiesbreght.) . . . . - - 98.

30. **C. glaucostomus Pfr.**

T. umbilicata, subturbinato-depressa, solidula, striata et plicis obliquis superne irregulariter sculpta, nitida, castanea; spira brevissime conoidea, apice obtusulo, nudo; anfr. 4 convexi, rapide accrescentes, ultimus antice dilatatus, basi minute malleato-granulatus; umbilicus pervius, $^1/_4$ diametri non aequans; apertura vix obliqua, subrotundata, intus coerulea, margaritacea; perist. rectum, marginibus superne subangulatim junctis, columellari subincrassato, perarcuato. — Operc.? — Diam. maj. 18, min. 14, alt. 9 mill. Ap. $8^1/_2$ mill. longa et lata. (Mus. Cuming.)

Cyclostoma glaucostomum (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1855. p. 103.

Habitat Venezuela.

Obs. Persimilis *C. asperulo Sow.*; differt praecipue colore, sculptura rudiore, apertura minus obliqua, etc.

§. 5.

31. **semistriatus Sow.** (Coll. 20. — *Gray* Phan. p. 11. — *Ad.* Gen. p. 276. t. 85. f. 1. 1 c. — Operc. calcareum, arcte 6-spiratum, nucleo planato, margine anfractuum 4—5 exteriorum acute elevato, subreflexo, interstitiis concavis, profundis, scabre oblique plicatis. Hab. Kirkee, Deccan: *Bens.* in Ann. and Mag. 1854. XIV. p. 416. XV. p. 16.) . . . . Mon. p. 22.

32. **C. Martinicensis Shuttleworth.** †

„Testa late umbilicata, orbiculata depressa, tenuiuscula, striatula, creberrime leviter et obtuse spiraliter sulculata, pallide olivacea, nitidula; spira parum elevata, apice obtusiuscula; sutura sat profunda; anfract. 4 ad $4^1/_2$, celeriter accrescentes, convexi, ultimus vix ascendens; apertura vix obliqua, circularis; peristoma continuum, rectum. — Operc. testaceum, extus vix convexiusculum, arctispirum, anfract. 10, margine depresso-dilatato. — Diam. maj. 14, min. $11^1/_2$, alt. 8 mill. Ap. 6 mill. lata et alta.“ (Sh.)

Cyclostoma Martinicense (Cyclotus) *Shuttl.* in Journ. Conch. V. 3. (Jan. 1857.) p. 267.

Habitat in insula Martinique.

Obs. „*C. asperulo Sow.* affine, sed sculptura et operculo distinctissimum.“

33. **distinctus Sow.** (*Gray* Phan. p. 12. — Aperostoma *Ad.* Gen. p. 275. — Excludantur descriptio operculi et patria Haiti. Conf. species sequens.) . Mon. p. 24.

34. C. floccosus Shuttleworth.

T. late umbilicata, depresse suborbiculata, tenuis, striatula, conferte spiraliter lirata, liris alternis majoribus, subnodulosis, albida, epidermide tenui, sordide straminea induta; spira depressa, apice paululum exserta, obtusiuscula; sutura profunde canaliculata; anfr. $4^1/_2$ convexi, ultimus antice descendens, superne carinatus, longe solutus; apertura vix obliqua, circularis; perist. simplex, rectum, acutum. — Operc. testaceum, extus concaviusculum, arctispirum, margine anfractuum (circa 10) elevato-patulo, squamis membranaceis pellucidis crispatulis imbricatis floccoso-vestito. — Diam. maj. 12, min. 9, alt. $4^1/_2$ mill. Ap. 4 mill. alta et lata. (Coll. Nr. 21.)

Cyclostoma floccosum (Cyclotus) *Shuttl.* in Journ. Conch. V. 3. (Jan. 1857.) p. 268.

Cyclotus distinctus Pfr. Mon. Pneum. p. 24 ex parte.

Habitat in insula Haiti (Sallé).

35. C. Recluzianus Pfr.

T. umbilicata, depressa, solidula, obsolete spiraliter lirata, sub epidermide pallide virente albida; spira vix elevata, submucronata; sutura profunda, carina submarginata; anfr. $4^1/_2$ convexi, rapide accrescentes, ultimus teres, peripheria carina acuta antrorsum evanescente munitus; umbilicus perspectivus, $^1/_3$ diametri aequans; apertura parum obliqua, subcircularis; perist. simplex, rectum, continuum, breviter adnatum. — Operc. album, nucleo nigricante. — Diam. maj. 11, min. 9, alt. 5 mill. Ap. 5 mill. longa, $4^1/_2$ lata. (Coll. Nr. 22.)

Cyclostoma Recluzianum (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1853. p. 51.

Cyclotus Recluzianus Pfr. in Malak. Bl. 1854. p. 80.

— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 275.

Habitat in insulis Salomonis.

Obs. Similis *Cyclophoro fornicato Pfr.*

36. C. Macgillivrayi Pfr.

T. umbilicata, turbinato-depressa, solida, rugoso-striata et liris spiralibus in anfractu ultimo evanescentibus sculpta, opaca, carneo-albida; spira convexo-conoidea, submucronata; anfr. $4^1/_2$ convexiusculi, sensim accrescentes, ultimus subdepressus, basi circa umbilicum conicum, $^1/_3$ diametri fere aequantem abrupte angulatus; apertura obliqua, superne et basi subangulata; perist. continuum, obtusum, rectum, ad angulum circaumbilicalem subproductum. — Operc. concavum, calcareum,

arctispirum. — Diam. maj. 9, min. $7^1/_2$, alt. 5 mill. Ap. 4 mill. longa, $3^1/_2$ lata. (Mus. Cuming. et Coll. Nr. 23.)

Cyclostoma Macgillivrayi (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1855. p. 103.

Habitat in insula Aneiteum Novarum Hebridarum (Macgillivray) et in Nova Georgia.

37. **C. sordidus Pfr.**

T. umbilicata, conoideo-depressa, solidula, levissime et confertim spiraliter lirata, sub epidermide decidua, fulvida sordide alba; spira conoidea, mucronata; anfr. 4 convexi, celeriter accrescentes, ultimus teres, antice vix adnatus; apertura parum obliqua, subcircularis; perist. simplex, continuum, vix expansiusculum. — Operc. planum, albidum. — Diam. maj. $7^1/_2$, min. $6^1/_3$, alt. $4^1/_2$ mill. Ap. diam. 3 mill. (Mus. Cuming.)

Cyclostoma sordidum (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1855. p. 103.

Habitat in China.

§. 6.

38. **conoideus Pfr.** (Coll. 24. — *Gray* Phan. p. 19. — *Mörch* Yold. p. 39. n. 801. — *Ad.* Gen. p. 275. — *Cyclost. spurcum Sow.*) . . . . . . , . . . Mon. p. 33.

39. **scalaris Pfr.** (Proc. 1851. p. 250. — *Ch.* ed. nov. p. 320. — *Gray* Phan. p. 20. — *Ad.* Gen. p. 275.) . . . . - - 35.

40. **triliratus Pfr.** (Coll. 25. — *Cyclost. triliratum Ch.* ed. nov. p. 363. t. 47. f. 8—10. — *Cyclophorus triliratus Pfr.* Mon. n. 39. — *Gray* Phan. p. 52. — *Ad.* Gen. p. 280. — Operculum *C. substriati*, anfractibus vix perspicuis. — Var.: *Cyclost. quadrifilosum Bens.* in Ann. and Mag. 2d. ser. X. p. 270. — *Cyclophorus quadrifilosus Pfr.* in Malak. Bl. 1854. p. 84.) . . . . - - 76.

§. 7.

41. **? Hebraicus Less.** † (*Valvata Hebraica Less.* — *Cyclost. papua Quoy.* — *Cycl papoua Hombr.* et *Jacq.* Voy. Pol Sud. Zoo'. V. p. 49.) . . . . - - 35.

42. **pusillus Sow.** (Coll. 26. — *Gray* Phan. p. 20. — *Ad.* Gen. p. 275. — *β.* Major, albidus; diam. maj. 15, min. $11^1/_2$, alt. 6 mill. in prov. Lagunensi ins. Luzon.) . . . . - - 34.

§. 8.

43. **? volvuloides Sow.** (Thes. t. 31 B. f. 312. 313. — *Ch.* ed. nov. p. 249. — *Gray* Phan. p. 17. — *Ad.* Gen. p. 275.) . . . . - - 30.

44. **subdiscoideus Sow.** (*Gray* Phan. p. 17. — *Ad.* Gen. p. 275. — *Cyclost. subdiscoideum Ch.* ed. nov. p. 318. — *Cyclost. rusticum Pfr.* Proc. 1851. p. 250. — *Cyclost. aratum Bens.* in Ann. and Mag. 2d. ser. VIII. p. 190. — *Cyclotus aratus Pfr.* Mon. n. 28. — *Cyclotus Pfeifferi Gray.*) . . . . . Mon. p. 31.

45. **C. montanus Pfr.**

T. umbilicata, turbinato-depressa, solida, superne confertim spiraliter lirata, alba, fusculo obsolete maculata et fasciata; spira turbinata, acutiuscula; anfr. 4 convexi, rapide accrescentes, ultimus non descendens, subtus laevigatus, in umbilico mediocri, profundo spiraliter striatus; apertura parum obliqua, angulato-rotundata; perist. simplex, rectum, breviter adnatum, margine columellari reflexiusculo. — Operc.? — Diam. maj. 12½, min. 10, alt. 8 mill. Ap. 6 mill. longa. (Mus. Cuming.)

Cyclostoma montanum (Cyclotus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 300.

Habitat in montibus Neilgherries Indiae.

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46. **? orbellus Lam.** (Coll. 27. — *Gray* Phan. p. 18. — *Ad.* Gen. p. 275. — *C. variabile Fér.* — *C. Lamarkii Pet.* — Cl. Shuttleworth [Journ. Conch. V. 3. Jan. 1857. p. 271] speciem *C. Deshayesiano Pet.* proxime affinem et generi Cyclostomo forsan adscribendam, certe autem var. *β* excludendam censet. Conf. *Cyclophorus Schrammi Shuttl.*) Mon. p. 32.

47. **diatretus Gould.** † (*Gray* Phan. p. 18. — *Ad.* Gen. 275. — *Cyclost. diatretum Gould* Exp. Sh. t. 8. f. 124.) . . . . - - 33.

§. 9.

48. **distomellus Sow.** (Coll. 28. — *C. Hebraicus Pfr.* Mon. ex parte. — *Gray* Phan. p. 20. — *Ad.* Gen. p. 275.) . . . . - - 35.

49. **discoideus Sow.** (*Gray* Phan. p. 21. — *Mörch* Yold. p. 40. n. 806. — *Ad.* Gen. p. 275.) . . . - - 36.

50. **opalinus Mouss.** † (*Gray* Phan. p. 21. — *Ad.* Gen. p. 275.) . . . . - - 36.

51. **mucronatus Sow.** (Coll. 29. — *Gray* Phan. p. 22. — *Ad.* Gen. p. 275.) . . . . - - 37.

52. **substriatus Sow.** (Coll. 30. — *Gray* Phan. p. 22. — *Ad.* Gen. p. 275. — *Trosch.* Gebiss d. Schn. p. 66. t. 4. f. 4.) . . . . - - 37.

53. **C. ? Chinensis Pfr.**

T. umbilicata, convexo-depressa, solida, striata, sub epidermide fulva alba, obsolete fasciata; spira convexa, vix co-

noidea, apice subtili; anfr. 4 convexi, rapide accrescentes, ultimus teres; umbilicus conicus, $^1/_5$ diametri occupans; apertura subverticalis, circularis, intus margaritacea; perist. continuum, breviter adnatum, duplex: internum haud porrectum, externum breviter patens, obtusum. — Operc.? — Diam. maj. 14, min. $11^1/_2$, alt. 8 mill. Ap. intus 6 mill. longa et lata. (Mus. Cuming.)

Cyclostoma Chinense (Cyclotus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 299.

Habitat Hong Kong Chinae (Fortune).

Obs. Persimilis *C. Fortunei Pfr.*

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54. **corniculum Mouss.** † (*Gray* Phan. p. 22. — *Ad.* Gen. p. 275.) . . . . Mon. p. 38.
55. **plebejus Sow.** (Coll. 31. — *Gray* Phan. p. 23. — *Ad.* Gen. p. 275.) . . . . - - 38.

56. C. Tourannensis Souleyet. †

„C. testa orbiculari, conico-depressa, umbilicata, ferruginea, epidermide conspurcata; anfractibus quinis, convexis, supra depressis, sutura profunda divisis; apertura circulari, albicante; perist. reflexo, intus marginato, albo; umbilico dilatato, infundibuliformi, profundo. — Operc. calcareum, margaritaceum, crassiusculum. — Lat. 10, alt. 7 mill" (Soul.)

Cyclostoma Tourannensis Soul. in Voy. Bonite. Zool. II. p. 537. t. 30. f. 28—32.

Cyclotus Tourannensis Bens. in Ann. and Mag. 2d. ser. XIV. p. 416.

Habitat circa Touranne Cochinchinae.

57. C. Lindstedti Pfr.

T. umbilicata, depressa, subdiscoidea, distincte striata, strigis fulgurantibus nigro-fuscis et luteis, superne latis, subtus linearibus picta; spira vix elevata; anfr. 4 convexi, celeriter accrescentes, ultimus teres, vix descendens; umbilicus latus, $^1/_3$ diametri superans; apertura obliqua, subcircularis; perist. breviter adnatum, duplicatum: internum expansiusculum, externum album, undique subaequaliter patens. — Operc. arctissime spiratum, margine anfractuum subacute prominente. — Diam. maj. 11, min. 9, alt. 4 mill. Ap. diam. 4 mill. (Mus. Cuming.)

Cyclostoma Lindstedti (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1856. p. 391.

Habitat in monte Ophir peninsulae Malaccanae (F. W. Lindstedt).

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58. **exiguus Sow.** † (*Gray* Phan. p. 23. — *Ad.* Gen. p. 275.) . . . . Mon. p. 39.

59. **C. filocinctus Benson.**

T. umbilicata, turbinato-depressa, lineis confertis elevatis cincta, albida, epidermide fuscula; spira conoidea, apice subacuto, papillari; sutura profunda; anfr. $4^{1}/_{2}$ rotundati, juxta suturam laevigati, ultimus cylindraceus; apertura obliqua, subcircularis, superne vix angulata, prope umbilicum conicum, perspectivum leviter sinuata; perist. duplex: internum breviter porrectum, externum anguste patens. — Operc. extus concavum, anfractibus paucis, margine scabre elevato. — Diam. maj. 3, min. $2^{1}/_{2}$, alt. $2^{1}/_{2}$ mill. (Mus. Benson.)

Cyclostoma filocinctum Bens. in Ann. and Mag. 2d. ser. VIII. p. 188.
— — *Chemn.* ed. nov. p. 379. t. 49. f. 26—28.
Cyclostomus? filocinctus Pfr. Consp. n. 325; Mon. Pneum. p. 221. n. 54.
— — *Gray* Cat. Phan. p. 155.
Cyclotus filocinctus Bens. in Ann. and Mag. 1854. XIV. p. 416. not. XV. p. 16.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 275.

Habitat in montibus Neilgherries.

§. 10.

60. **variegatus Swains.** (Coll. 32. — *Gray* Phan. p. 23. — *Ad.* Gen. p. 275. — *Cyclost. planorbulum Sow.* — *Cycl. cornu venatorium Pet.*) . . Mon. p. 39.

61. **planorbulus Lam.** (*Ad.* Gen. p. 275. — *Helix cornu venatorium Gm.* Syst. p. 3641. n. 227? — *Dillw.* Cat. II. p. 910. n. 55? — *Cyclostoma planorbula Lam.*, *Desh.* Traité élém. t. 82. f. 3. 4. — *Pterocyclos planorbulus Pfr.* Mon. Pneum. n. 3. — *Gray* Phan. p. 26.) . . . . - - 43.

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62. **? incomptus Sow.** (Coll. 33. — *Ad.* Gen. p. 275. — *Pterocyclos? incomptus Pfr.* Mon. n. 1. — *Ch.* ed. nova p. 235. n. 9. — *Gray* Phan. p. 25. — Nova Granada. Conf. *Bens.* in Ann. and Mag. 2d. ser. XV. p. 16.) . . . . - - 42.

II. Opisthoporus Benson.

Operculum calcareum, circulare, crassiusculum, multispiratum, duplex, utrinque concaviusculum, disco interno epidermide cornea lubrica vestito, externo calcareo, scabro, ambobus lamina spirali, erecta recurva interposita junctis, anfractuum interstitiis interne vacuum praebentibus, margine circumdante concavo.

Testa depressa, orbicularis, late umbilicata, sutura pone aperturam tubulo exserto, pervio munita. Peristoma duplex.

Opisthoporus Benson in litt. (Conf. Zeitschr. f. Malak. 1851. p. 8.)
— *Albers* in Zeitschr. f. Malak. 1852. p. 120. (ex parte.)
— *Benson* in Ann. and Mag. 1855. 2d. ser. XV. p. 13.
— *H.* et *A. Adams* Gen. rec. Moll. II. p. 276: genus Cyclotinarum.

Pterocycli sp. *Mouss.*
Cycloti sp. *Pfr.*, *Gray.*

Cl. Benson (l. c. p. 15) nomen generis cum *Coelopomate* mutari proponit, si species observarentur eadem operculi structura praeditae, sed tubulo suturali carentes.

Species hodie cognitae sunt sequentes:

1. **biciliatus Mouss.** (Coll. 34. — *Bens.* in Ann. and Mag. 2d. ser. XV. p. 14. — *Ad.* Gen. II. p. 276. t. 85. f. 2. — *Pterocyclos biciliatus Mouss.*, *Pfr.* Mon. Pneum. p. 50. n. 16. — *Gray* Phan. p. 32. — *Chemn.* ed. nov. p. 234. t. 43. f. 1—3. — *Cyclostoma Taylorianum Pfr.*, *Chemn.* ed. nov. p. 288. t. 38. f. 27—29. — *Cyclost. Charbonnieri Récl.* in Journ. Conch. 1851. II. p. 214. t. 5. f. 12. 13. — *Cyclotus Taylorianus Pfr.* Mon. Pneum. n. 44. — *Gray* Phan. p. 24.) . . . . Mon. p. 40.

2. **O. euryomphalus Pfr.**

T. late umbilicata, depressa, subdiscoidea, solidula, striatula, lutescens, strigis angulosis castaneis superne latis, subtus linearibus picta; spira plana, vertice nigro vix prominulo; anfr. $4\frac{1}{2}$, prope suturam canaliculatam subangulati, ultimus antice vix descendens, 4 mill. pone aperturam spiraculo brevi retroflexo munitus; umbilicus dimidium diametri fere occupans; apertura diagonalis, subcircularis; perist. duplex: internum breviter expansum, ad anfractum penultimum subincisum, externum superne alatim dilatatum, latere dextro patens, sinistro obsoletum. — Operc. normale. — Diam. maj. 15, min. 12, alt. 4 mill. Ap. diam. 4 mill. (Mus. Cuming.)

Cyclostoma euryomphalum (Opisthoporus) *Pfr.* in Proc. Zool. Soc. 1856. p. 337.

Habitat in insula Borneo.

Obs. Differt ab *O. biciliato* praesertim umbilico multo latiore.

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3. **rostellatus Pfr.** (*Bens.* in Ann. and Mag. 2d. ser. XV. p. 14. — *Ad.* Gen. p. 277. — *Cyclost. rostellatum Pfr* in Chemn. ed. nov. p. 289. t. 38. f. 30—34. — *Cyclotus rostellatus Pfr.* Pneum. n. 45. — *Gray* Phan. p. 24.) . . . . Mon. p. 40.

4. **O. tubuliferus Pfr.**

T. late umbilicata, depressa, striatula, opaca, albida, flammis angulosis fuscis picta; spira vix elevata, fusco-violacea, vertice subacute prominente; sutura subprofunda; anfr. $4^1/_2$ convexiusculi, ultimus teres, antice breviter solutus, vix descendens, 2 mill. pone aperturam tubulo brevi a sutura antrorsum subascendente munitus; apertura diagonalis, circularis; perist. duplicatum: internum continuum, porrectum, externum marginibus supero et dextro breviter patens, sinistro obsoletum. — Operc.? — Diam. maj. $16^1/_2$, min. 13, alt. $6^2/_3$ mill. Ap. diam. 6 mill. (Mus. Cuming.)

Cyclostoma tubuliferum (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1853. p. 51.
Cyclotus tubuliferus Pfr. in Malak. Bl. 1854. p. 81.
Opisthoporus tubuliferus Bens. in Ann. and Mag. 2d. ser. XV. p. 14.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 277.

Habitat . . .?

5. **O. birostris Pfr.**

T. umbilicata, depressa, subdiscoidea, solidula, irregulariter striata, fulvo-lutea, fascia peripherica castanea et superne strigis latis angulatis ornata; spira plana, vertice subtili, vix prominulo; anfr. fere 5 convexiusculi, rapide accrescentes, ultimus teres, subtus obsolete maculatus, antice solutus et tubulo antrorsum curvato munitus; umbilicus latus, anfractus omnes latiores et convexiores monstrans quam superne; apertura diagonalis, circularis; perist. duplex: internum breve, rectum, externum expansum et inflexum, superne in rostrum apertum, anfractum ultimum tangens, productum. — Operc. album, arctispirum, extus concavum. — Diam. maj. 26, min. 19, alt. 7 mill. Ap. intus 7 mill. diam. (Coll. Nr. 35.)

Cyclostoma birostre (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1854. p. 300.

Habitat Sarawak, Borneo.

6. **O. pterocycloides Pfr.**

T. umbilicata, depressa, subdiscoidea, solidula, striatula et striis spiralibus sub lente decussata, lutea, strigis angulatis castaneis picta; spira plana, vertice mucronatim prominulo; anfr. 5 rapide accrescentes, parum convexi, ultimus depresso-rotundatus, antice solutus et spiraculo antrorsum vix ascendente munitus; umbilicus profundus, $^1/_3$ diametri superans; apertura diagonalis, circularis; perist. duplex: internum vix porrectum, superne leviter emarginatum, externum dilatatum, rectangule patens, limbo subinflexo, superne subangulatim pro-

ductum. — Operc.? — Diam. maj. 25, min. 19, alt. 7 mill. Ap. intus 8 mill. diam. (Mus. Cuming.)

Cyclostoma pterocycloides (Cyclotus) *Pfr.* in Proc. Zool. Soc. 1854. p. 300.

Habitat in insula Borneo.

7. **O. Cochinchinensis Pfr.**

T. late umbilicata, discoidea, solida, vix striatula, sub epidermide fulvida alba, radiis pellucidis notata; spira subplana, medio vix elevata; anfr. 5 convexi, ultimus teres, antice solutus, pone aperturam spiraculo versus anfractum penultimum curvato munitus; apertura circularis; perist. subsimplex, vix expansiusculum, superne levissime incisum. — Operc.? — Diam. maj. 20, min. 16, alt. 7 mill. Ap. diam. 6 mill. (Mus. Cuming.)

Cyclostoma Cochinchinense (Opisthoporus) *Pfr.* in Proc. Zool. Soc. 1856. p. 337.

Habitat in Cochinchina.

III. Pterocyclos Benson.

Pfr. Mon. Pneum. p. 41. — *Gray* Cat. Phan. p. 25: genus Cyclotinorum. — *Woodw.* Man. II. p. 177: subgenus Cyclophori. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 277: genus Cyclotinarum.

Emissis e genere nostro (suadentibus Cl. Benson in Ann. and Mag. 2d. ser. XV. p. 15, nec non H. et A. Adams) speciebus tribus, in Monographia Pneumonopomorum sectiones primam et secundam formantibus, et 2 ultimis, restantes et novae ex illo tempore descriptae sequente modo distribuantur:

A. Aberrantes, operculo Choanopomati simili . . . . §. 1. Nr. 1.

B. Operculo normali.

a. Anfractu ultimo spiraculo munito (*Spiraculum H.* et *A. Adams.*) . §. 2. — 2—3.

b. Spiraculo nullo . . . . §. 3. — 4—15.

C. Species minus notae . . . . . §. 4. — 16—17.

§. 1.

1. **tenuilabiatus Metc.** (Coll. 36. — *Gray* Phan. p. 28. — *Ad.* Gen. p. 277. — *Cyclostoma tenui-*

labiatum *Metc.* in Proc. Z. S. 1851. p. 71. — Operc. intus concavum, lubricum, extus parum elevatum, lamina spirali elevata versus medium decrescente munitum, vertice concaviusculo.) . . . . . Mon. p. 45.

§. 2.

2. **hispidus Pears.** (*Chemn.* ed. nov. p. 231. — *Gray* Phan. p. 28. — Spiraculum *Ad.* Gen. p. 278. — Hab. Teria Ghát, montium Khasia dictorum portam: *Bens.* in Ann. and Mag. 1857. XIX.) . . . . . - - 46.

3. **Pt. Housei Haines.**

T. late umbilicata, subconoideo-depressa, solida, leviter striatula, alba, strigis crebris, angustis, angulatis, fuscis picta; spira parum elevata, obtusula; sutura profunda, canaliculata; anfr. 5 convexi, celeriter accrescentes, ultimus antice longe solutus, descendens, dorso carinatus; apertura obliqua, subcircularis; perist. subduplex: internum superne incisura triangulari et foramine extus in tubulum retroflexum abeunte notatum, externum supra incisuram continuum, undique vix expansum. — Operc. cyathiforme, acute 6—7-spiratum, nucleo lato convexo laevigato, intus profunde excavatum. — Diam. maj. 26—33, min. 21—24, alt. 12—13 mill. Ap. diam. 9—10 mill. (Mus. Cuming.)

Cyclostoma Housei Haines in Ann. Lyc. N. York VI. p. 157.*) t. 5. f. 12—15.

Habitat Siam (Dr. S. R. House).

§. 3.

4. **Cumingi Pfr.** (Coll. 37. — Proc. 1852. p. 158.— *Ch.* ed. nov. p. 232. — *Gray* Phan. p. 30. — *Ad.* Gen. p. 277.) . . . . Mon. p. 48.

5. **Pt. Cingalensis Benson.**

T. late umbilicata, orbiculato-depressa, solidula, radiato-striata, albida, superne strigis subundatis, medio fascia castanea picta; spira planiuscula, apice vix prominulo; sutura pro-

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*) T. latissime umbilicata, discoidea, solida, striatula, strigis crebris angulatis castaneis picta; spira parum elevata; sutura canaliculata; anfr. 5 convexiusculis, ultimo antice valde soluto, descendente; apertura circulari; peristomate incrassato in tubulo retrorso extenso. —Operc. extus convexum, lamellis angustis 3—4 spiratis convolutum, intus concavum, nitidum. — A very remarkable species, belonging to the subgenus Pterocyclos. (Hain. l. c.)

funde impressa; anfr. 5 convexi, ultimus lente descendens, superne alatus, breviter solutus: ala prominentiam elongatam angustam ascendentem formante, postice carina obtusa desinente; apertura obliqua, subcircularis; perist. duplex: internum porrectum, superne profunde incisum, externum incrassatum, superne dilatatum, leviter deflexum; umbilicus profundiusculus. — Operc. pyramidale. — Diam. maj. 19½, min. 16, alt. 6 mill. Ap. diam. 5½ mill. (Mus. Benson).

Pterocyclos Cingalensis Bens. in Ann. and Mag. N. H. 2d. ser. XI. p. 105.

— — *Pfr.* in Malak. Bl. 1854. p. 81.

Habitat ad vicum montanum Monahagalla insulae Ceylon (E. L. Layard).

Obs. Persimilis *Pt. Cumingi*, umbilico latiore et peristomate distincte duplicato discrepans.

6. **Pt. bifrons Pfr.**

T. umbilicata, discoidea, solida, superne arcuato-striatula, nitida, purpurascenti-castanea; spira plana, vertice subtili, lucide castaneo; sutura alba; anfr. 6 convexi, ultimus latior, peripheria obsolete angulatus, antice descendens et juxta suturam prominentiam fornicatam formans, basi violaceus; apertura diagonalis, subcircularis; perist. duplicatum, incrassatum: internum superne sulco triangulari interruptum, externum subpatens, superne productum et in prominentiam anfractus ultimi transiens. — Operc.? — Diam. maj. 25, min. 21½, alt. 8 mill. Ap. diam. 7 mill. (Mus. Cuming.)

Pterocyclos bifrons Pfr. in Proc. Zool. Soc. 1855. p. 117.

Habitat in insula Ceylon.

Obs. Differt a *Pt. Cumingi* praeter colorem anfractu ultimo latiore, umbilico angustiore, peristomate duplicato.

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7. **bilabiatus Bens.** (*Gray* Phan. p. 31. — *Ad.* Gen. p. 277.) . . . . Mon. p. 49.

8. **Albersi Pfr.** (*Gray* Phan. p. 28. — *Ad.* Gen. p. 277. — Variat unicolor pallide corneo-lutescens. — Hab. ad Teria Ghát, montium Khasia dictorum portam: *Bens.* in Ann. and Mag. 1857. XIX.) . . . - - 45.

9. **anguliferus Soul.** (Coll. 38. — *Gray* Phan. p. 27. — *Ad.* Gen. p. 277. — *Cyclotus? anguliferus M. E. Gray* Fig. Moll. Anim. t. 303. f. 9. [ex Soul.] — *Cyclostoma angulifera Soul.* Voy. Bonite. Zool. II. p. 530.) . . . . - - 44.

10. **rupestris Bens.** (Coll. 39. — *Ch.* ed. nov. p. 231. — *Gray* Phan. p. 29. — *Ad.* Gen. p. 277. t. 85. f. 3. — *Steganotoma picta Trosch.* — *Stegan. rupestris Mörch* Yold. p. 41. n. 822.) . . . . - - 46.

11. **Pt. nanus Benson.**

T. umbilicata, convexo-subdiscoidea, albida, fascia mediana strigisque undulatis castaneis superne ornata; spira prominula, apice subtili; anfr. $4^1/_2$ convexi, ultimus antice subsolutus; umbilicus latus, profundus; apertura obliqua, circularis; perist. duplicatum, marginibus sulco leviter impresso vix discretis, interno superne profunde recteque inciso, externo reflexiusculo, supra sinum alam angustam, fornicatam, antice breviter descendentem, angulatam formante. — Operc. *Pt. rupestris.* — Diam. maj. 10, min. 8, alt. 5 mill. (Coll. Nr. 40.)

Pterocyclos nanus Bens. in Ann. and Mag. N. H. 2d. ser. VIII. p. 450.
— — *Chemn.* ed. nov. p. 388. t. 49. f. 31—33.
— — *Pfr.* Mon. Pneum. p. 47. n. 10.
— — *Gray* Cat. Phan. p. 30.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 277.

Habitat in montibus Neilgherries Indiae.

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12. **parvus Pears.** (*Ch.* ed. nov. p. 233. — *Gray* Phan. p. 30. — *Ad.* Gen. p. 277. — Excludatur synon. *Cycl. spiraculum var. Sow.* Thes. f. 273.) . Mon. p. 48.

13. **Pt. pullatus Benson.**

T. aperte umbilicata, convexo-depressa, confertim radiato-striatula, nigrescente-castanea, superne strigis luteo-albidis, fulguratis, fasciaque saturata ornata; spira convexa, sutura profunda, apice prominulo; anfr. $4^1/_2$ convexi, ultimus teres, longe descendens; umbilicus mediocris, profundus, perspectivus; apertura vix obliqua, circularis; perist. duplex: internum breviter porrectum, superne sinu mediocri latiusculo interruptum, externum vix expansiusculum, superne alam subrevolutam semicucullatam, antice breviter descendentem obtusam, ab anfractu penultimo distantem efformans. — Operc. intus concavum, extus concaviusculum, scabrum, anfractuum marginibus elevatis; margine laterali lato, lamellis acutis spiralibus munito. — Diam. maj. 13, min. $11^1/_2$, alt. 6 mill. (Coll. Benson.)

Pterocyclos pullatus Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 227.
— — *Pfr.* Novit. conch. I. n. 245. t. 35. f. 5—9.

Habitat ad Akaouktong, prope fluvium Irawadi imperii Birmani (W. Theobald).

14. **Pt. Cetra Benson.**

T. late umbilicata, orbiculato-depressa, capillaceo-striatula, luteo-cornea, superne strigis radiatis, subremotis, irregularibus, rufis ornata; spira planata, apice vix prominulo; anfr. 5 convexiusculi, regulariter accrescentes, ultimus breviter descendens, circa umbilicum dimidium diametri subaequantem subangulatus; apertura obliqua, circularis; perist. duplex: internum continuum, breviter porrectum, superne breviter emarginatum, externum expansum, incrassatum, superne lingua obtusa vix descendente, sinu profundo ab anfractu penultimo separata, munitum. — Operc.? — Diam. maj. 13, min. 10, alt. 4 mill. (Coll. Benson.)

Pterocyclos Cetra Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 228.
— — *Pfr.* Novit. conch. I. n. 216. t. 35. f. 10—12.

Habitat ad Moulmein et in valle Tenasserim imperii Birmani (W. Theobald).

15. **Pt. tener Menke.**

T. umbilicata, depressa, tenera, costis prominentibus membranaceis munita, pellucida, virenti-cornea; spira medio vix elevata; anfr. 5 convexiusculi, ultimus teres, antice solutus; umbilicus latus, $^2/_5$ diametri subaequans; apertura parum obliqua, subcircularis, intus leviter margaritacea; perist. subduplex: internum superne breviter incisum, praeterea subadnatum, externum brevissime patens, incisuram prominentia levi tubuliformi obtegens. — Operc.? — Diam. maj. 17, min. 13, alt. 6 mill. Ap. diam. $5^2/_3$ mill. (Mus. Menke et Coll. Nr. 41.)

Pterocyclos tener Menke in Malakoz. Bl. III. 1856. p. 69.
— — *Pfr.* Novit. conch. I. p. 90. n. 154. t. 25. f. 13—15.

Habitat Touranne Cochinchinae.

§. 4.

IV. Alycaeus Gray.

Conf. *Pfr.* Mon. Pneum. p. 119. — *Gray* Cat. Phan. p. 84: genus Cyclophorinorum. — *Bens.* in Ann. and Mag.

N. H. 2d. ser. XI. p. 284. — *Pfr.* in Malak. Bl. 1854. p. 88. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 278: genus Cyclotinarum.

Descriptioni generis addatur: anfractus ultimus tubulo suturali munitus.

Species nunc cognitae sic distribuantur:

a. Subturbinati . . . . §. 1. Nr. 1— 7.
b. Depressi . . . . §. 2. — 8—14.

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§. 1.

1. **gibbus Fér.** (Coll. 42. — *Gray* Phan. p. 84. — *Ad.* Gen. II. p. 278. t. 85. f. 4. — Addatur: sutura pone stricturam callum gerens magis minusve distinctum.) . . . . , Mon. p. 119.

2. **A. distortus Haines.** †

„T. umbilicata, distorta, globosa, conica, longitudinaliter minutissime striata, alba; spira conica; sutura valde impressa, simplici; anfr. 5 convexis, ultimo inflato, prope aperturam constricto; apertura circulari; peristomate simplici, incrassato-expansiusculo. — Operc.? — Diam. maj. 12, min. 10, alt. 11 mill. Ap. 5 mill. diam.“ (H.)

Cyclostoma distortum Hain. in Ann. Lyc. N.-York. 1855. VI. p. 158. t. 5. f. 5—8.

Habitat Siam.

Obs. 1. „Species affinis *C. gibbo* sed valde differt statura majore, anfr. ultimo magis inflato, labro latius reflexo et striis minutioribus numerosioribusque.“

Obs. 2. Sutura simplex dicitur; nonne tubulus in omnibus speciebus affinibus conspicuus revera desit?

3. **A. pyramidalis Benson.**

T. perforata, pyramidato-conica, laeviuscula, confertim oblique arcuato-striatula, albido-carnea, versus apicem rubella; spira elevato-turbinata, apice obtusiuscula; sutura profunda; anfr. $5^1/_2$ perconvexi, ultimus postice inflatus, tum constrictus, deinde subtumidus, versus aperturam dilatatus, tubulo calloso elongato, retroverso, suturali, pone constrictionem oriente, munitus; apertura obliqua, subcircularis; perist. duplex: internum continuum, expansiusculum, externum expansum, reflexiusculum, anfractui penultimo brevissime angulatim adnatum, superne antice sinuatum, tum arcuatum ad umbilicum leviter emarginatum. — Operc.? Diam. maj. $10^1/_2$, min. fere 9, alt. 10 mill. (Coll. Benson.)

Alycaeus pyramidalis Bens. in Ann. and Mag. N. H. 2d ser. XVII. p. 225.
Pfr. Novit. conch. I. n. 217. t. 35. f. 13. 14.

Habitat ad collem Therabuin, vallis Tenasserim in imperio Birmano (W. Theobald).

Obs. „Affinis *A. gibbo Fér.*, at facile distinguendus forma magis pyramidali, symmetrica, spira longiore, sculptura etc. Origo tubuli suturalis circa 4 mill. a margine anteriore aperturae distat."

4. A. Urnula Benson.

T. breviter rimata, globoso-conica, solidula, sublaevigata, parum nitida, cereo-albida; spira turbinata, rubella, apice obtusula; sutura profunda; anfr. 4 convexi, ultimus capillaceo-striatus, antice turgidus, pone aperturam constrictus, spiraculo elongato suturali, usque ad stricturam porrigente munitus; apertura subverticalis, integra, circularis; perist. subincrassatum, subduplicatum, expansum et reflexiusculum, breviter adnatum. — Operc. terminale, cartilagineum, concolor, planatum, anfractibus subdistinctis, celeriter accrescentibus, nucleo centrali. — Diam. maj. 4, min. 3, alt. 4 mill. Ap. diam. 2 mill. (Mus. Benson.)

Alycaeus Urnula Bens. in Ann. and Mag. N. H. 2d. ser. XI. p. 284.
— — *Pfr.* in Malak. Bl. 1854. p. 88.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 278.

Habitat Darjiling, Himalaya (Trotter).

5. A. Amphora Benson.

T. anguste umbilicata, ovato-globosa, exilissime capillaceo-striata, albido-carnea, versus apicem acutiusculum rubella; spira conica; sutura subprofunda; anfr. 4 convexi, penultimus turgidus, ultimus inflatus, juxta aperturam constrictus, tubulo suturali longissimo prope peristoma oriente munitus, circa umbilicum intus spiraliter striatum subcompressus; apertura verticalis, circularis; perist. duplex: internum continuum, breviter porrectum, intus pallide aurantiacum, externum expansum, striatulum, incrassatum, superne subangulatum. — Operc.? — Diam. maj. $5^1/_4$, min. $4^3/_4$, alt. 6 mill. (Mus. Benson.)

Alycaeus Amphora Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 226.
— — *Pfr.* Novit. conch. I. n. 218. t. 35. f. 15—17.

Habitat ad Moulmein et in valle Tenasserim imperii Birmani (W. Theobald).

Obs. „Forma similis *A. Urnulae Bens.*, sed magis globosus. Apertura circa dimidium totius altitudinis occupat."

6. **A. constrictus Benson.**

T. perforata, ovato-conica, tenuis, costis filaribus obliquis subdistantibus munita, diaphana, albida vel rufula; spira elongato-conica, apice obtusa; sutura profunda; anfr. $4^1/_2$ convexi, ultimus antice confertissime costulato-striatus, pone aperturam constrictus et callo suturali retroverso munitus; apertura fere verticalis, circularis, $^3/_8$ longitudinis aequans; perist. subcontinuum, undique breviter reflexum. — Operc. normale. — Diam. 2, alt. $3^1/_2$ mill. (Mus. Benson.)

Cyclostoma constrictum Bens. in Ann. and Mag. N. H. 2d ser. VIII. p. 188. X. p. 272.
— — *Chemn.* ed. nov. p. 379. t. 49. f. 26—28.
Alycaeus constrictus Pfr. Mon. Pneum. p. 120. n. 3.
— — *Gray* Cat. Phan. p. 85.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 278.

Habitat Darjiling Himalayae Sikkimensis.

7. **A. sculptilis Benson.** †

„T. late umbilicata, turbinata, subtrochiformi, acute costulata; spira conica, sutura profunda, apice attenuato, acutiusculo; anfr. 5 convexis, ultimo ad latus inflato et costulis confertissimis munito, tum constricto, antice laeviori, tumido, tubulo suturali mediocri, ab apertura remoto, incumbente, circa umbilicum obtuse angulato, intus concaviusculo; apertura obliqua, circulari; perist. duplici, interiori subporrecto, incrassato, margine superne profunde inciso, interiori dextrali interne crenulato vel denticulato, externo incrassato, expanso, reflexiusculo, superne incrassato prominente, ab anfractu penultimo sinu profundo separato. — Operc.? — Diam. $3^1/_2$, axis $2^1/_4$ mill." (B.)

Alycaeus sculptilis Bens. in Ann. and Mag. N. H. 2d ser. XVII. p. 226.

Habitat raro ad Thyet-Mio prope fluvium Irawadi, non procul a finibus provinciae Burmanicae Britannicae (W. Theobald).

§. 2.

8. **A. spiraculum A. Adams et Reeve.**

T. late umbilicata, conoideo-discoidea, solidula, confertim costulato-striata, corneo-albida; spira vix elevata; anfr. 4 convexi, ultimus prope aperturam constrictus, tum crista variciformi munitus et pone peristoma iterum coarctatus; spiraculum pone constrictionem oriens, retrorsum incumbens; apertura diagonalis, circularis; perist. duplicatum: internum continuum,

breviter adnatum, externum incrassatum et reflexum, latere sinistro excisum. — Operc. normale. — Diam. maj. 5, min. 4, alt. $2^1/_2$ mill. Ap. intus $1^1/_3$ mill. diam. (Mus. Cuming.)

Cyclostoma spiracellum A. Adams et *Reeve* Voy. Samarang. Moll. p. 56. t. 14. f. 1.

Pterocyclos? spiracellum Pfr. Mon. Pneum. p. 50. n. 15.

— — *Gray* Cat. Phan. p. 31.

Opisthoporus spiracellum Bens. in Ann. and Mag. N. H. 2d. ser. XV. p. 14.

Alycaeus spiracellum H. et *A. Adams* Gen. rec. Moll. II. p. 278.

Habitat in insula Borneo.

9. **A. umbonalis Benson.**

T. late umbilicata, depressa, subdiscoidea, confertim acute arcuatim costulata, cinereo-albida, versus apicem obtusulum, rubellum vel nigrum, rubescens; spira brevis; sutura profunda; anfr. $4^1/_2$ convexi, ultimus ad latus, spiraliter rugoso-cancellatum, inflatus, tum constrictus, deinde tumidiusculus, tubulum retroversum, elongatum suturalem pone constrictionem gerens; umbilicus perspectivus; $^1/_3$ diametri subaequans; apertura valde obliqua, circularis, undata; perist. duplex: internum continuum, expansum, nitidissimum, prope umbilicum sinuatum, externum expansum, incrassatum, ad anfractum penultimum breviter interruptum. — Operc. corneo-fuscum, multispiratum, anfractuum marginibus scabre elevatis, extus profunde concavum, intus convexiusculum, nitidissimum, sulco marginatum, umbone centrali papillari munitum. — Diam. maj. 10, min. 8, alt. 5 mill. (Coll. Benson.)

Alycaeus umbonalis Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 225.

— — *Pfr.* Novit. conch. I. n. 219. t. 35. f. 18—20.

Habitat ad Akaouktong prope ripas fluvii Irawadi in imperio Birmano (W. Theobald).

10. **A. prosectus Benson.**

T. mediocriter umbilicata, subcampanulato-depressa, subremote striatula, striis elevatis spiralibus remotiusculis cincta, ad spatium inflatum anfractus ultimi confertissime et acutissime costulata, albida, versus apicem mucronatum rubella; spira brevis; sutura profunda; anfr. 4 convexi, subapicalis exsertus, ultimus ad latus pone stricturam valde gibbosus, tubulum suturalem mediocrem gerens, antice laevior; apertura perobliqua, subcircularis: perist. subsimplex vel interno expansiusculo duplicatum, externum dilatatum, superne ad angu-

lum et ad basin aláto-productum, margine columellari angusto. — Operculum concavum, laeve, multispiratum. — Diam. maj. 7, min. 6, alt. 5 mill. (Mus. Benson.)

Alycaeus prosectus Bens. in Ann. and Mag. 1857. 2d. ser. XIX.
— — *Pfr.* Novit. conch. I. n. 220. t. 35. f. 21—23.

Habttat ad Teria Ghát, montium Khasia dictorum portam (W. Theobald).

11. **A. stylifer Benson.**

T. umbilicata, depressa, confertim striatula, ad spatium inflatum confertissime acute costulata, nitens, albida; spira brevis, mucronata, apice obtusula; sutura profunda; anfr. 4 convexi, ultimus pone stricturam gibbus, tubulum mediocrem gerens, medio stricturae costam prominentem (intus concavam) exhibens; apertura diagonalis, subcircularis, irregularis, sinuata; perist. simplex, incrassato-reflexum. — Operc.? — Diam. maj. $5^1/_2$, min. $4^2/_3$, alt. $3^1/_2$ mill. (Coll. Benson.)

Alycaeus stylifer Bens. in Ann. aud Mag. 2d. ser. 1857. XIX.
— — *Pfr.* Novit. conch. I. n. 221. t. 35. f. 24—27.

Habitat ad Darjiling (H. Blanford).

12. **A. hebes Benson.**

T. umbilicata, conoideo-depressa, solidiuscula, vix striatula, ad spatium inflatum et circa umbilicum confertissime striata, corneo-albida, versus apicem rubella; spira conoidea, apice obtusiuscula; sutura impressa; anfr. 4 convexiusculi, ultimus ad latus gibbosus, tubulum mediocrem suturalem gerens, spatio constricto costa valida retro recumbente munitus; apertura diagonalis, circularis; perist. continuum, duplex: internum porrectum, externum expansum, incrassatum. — Operc.? — Diam. maj. 4, min. 3, alt. 3 mill. (Coll. Benson.)

Alycaeus hebes Bens. in Ann. and Mag. 1857. 2d. ser. XIX.
— — *Pfr.* Novit. conch. I. n. 222. t. 35. f. 28—31.

Habitat ad Teria Ghát, montium Khasia dictorum portam (W. Theobald).

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13. **strangulatus Hutt.** (Coll. 43. — *Ch.* ed. nov. p. 290. — *Gray* Phan. p. 84. — *Ad.* Gen. p. 278.). Mon. p. 120.

14. **A. armillatus Benson.** †

„T. umbilicata, depresso-turbinata, costulata; spira conoidea, sutura impressa, apice obtuso; anfr. $3^1/_2$ convexis, ultimo ad latus inflato, confertius costulato, tum constricto, antice

tumido, laeviori, tubulo suturali brevi, ab apertura remoto, munito; apertura obliqua, circulari, perist. duplici, interno valde porrecto, continuo, margine simplici, extus striato, exteriori expanso, reflexiusculo; umbilico subaperto. — Operc.? — Diam. maj, 2. min. $1^3/_4$, axis $1^1/_4$ mill." (B.)

Alycaeus armillatus Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 227.

Habitat ad Thyet-Mio prope fluvium Irawadi in imperio Birmano (W. Theobald).

Subfam. II. Cyclophorea.

Operculum corneum, tenuiusculum, strato externo testaceo destitutum, subcirculare, arctispirum, nucleo centrali. Testa turbinata vel depressa.

Cyclophorina Gray Cat. Phan. p. 34.

Cyclophorinae H. et *A. Adams* Gen. rec. Moll. II. p. 278.

V. Craspedopoma Pfr.

Pfr. Mon. Pneum. p. 51. — *Gray* Cat. Phan. p. 32: genus Cyclotinorum. — *Woodw.* Man. Moll. II. p. 177: subgenus Cyclophori. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 283: genus Cyclophorinarum. — *Bolania Gray* olim.

Tres nunc notae sunt species:

1. **lucidum Lowe.** (Coll. 44. — *Gray* Phan. p. 32. — *Mörch* Yold. p. 42. n. 840. — *Lowe* in Proc. Z. S. 1854. p. 216. — *Ad.* Gen. p. 283. t. 85. f. 9. — *Trosch.* Gebiss d. Schn. p. 67. t. 4. f. 3. 5. — *Cyclost. lucidum Alb.* Malac. Mader. p. 72. t. 16. f. 29—31. — Conf. *Paludina conoidea Charp.* in *Küst.* Mon. Palud. p. 43. t. 9. f. 3—7.) . . . . Mon. p. 51.
2. **Lyonnetianum Lowe.** (Coll. 45. — *Gray* Phan. p. 33. — *Lowe* in Proc. Z. S. 1854. p. 217. — *Ad.* Gen. p. 283. — *Cyclost. Lyonnetianum* [Hygrobium] *Lowe* in Ann. and Mag. 2d. ser. IX. p. 279; Syn. diagn. p. 15. n. 70. — *Ch.* ed. nov. p. 285. — *Alb.* Malac. Madeh. p. 73. t. 16. f. 32—34.) . . . - - 52.
3. **costatum Shuttl.** (Coll. 46. — (*Gray* Phan. p. 33. — *Ad.* Gen. p. 283.) . . . . - - 415.

VI. Aulopoma Troschel.

Pfr. Mon. Pneum. p. 52. — *Gray* Cat. Phan. p. 34: genus Cyclophorinorum. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 282: genus Cyclophorinarum.

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1. **A. grande Pfr.**

T. umbilicata, depressa, solida, confertim distincte striata, sulcis spiralibus nonnullis remotis sculpta, sub epidermide nigro-fusca, saepe fasciatim detrita, obsolete marmorata; spira brevissime conoidea, vertice subtili, acuminato, nigricante; anfr. 5 convexi, ultimus teres, basi laevior, antice breviter solutus, vix descendens; apertura obliqua, subcircularis; perist. simplex, rectum. — Operc. sub-sexspiratum, anfractibus oblique valide plicatis. — Diam. maj. 25, min. $21^1/_2$, alt. 13 mill. Ap. 11 mill. diam. (Mus. Cuming.)

Cyclostoma grande (Aulopoma) *Pfr.* in Proc. Zool. Soc. 1855. p. 104.
Aulopoma grande Pfr. Novit. conch. I. p. 69. n. 116. t. 19. f. 11—13.

Habitat in insula Ceylon (Thwaites).

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2. **Itieri Guér.** (Coll. 47. — (*Gray* Phan. p. 34. — *Ad.* Gen. p. 283. — *Aulopoma Hofmeisteri Trosch.* — *Cyclost. Hoffmeisteri Bens.* in Ann. and Mag. 2d. ser. VII. p. 265, cum descriptione animalis. — *Aulopoma cornu venatorium Ad.* Gen. p. 283. t. 85. f. 8.) . . . . Mon. p. 52.

*3. **A. sphaeroideum Dohrn.**

T. anguste umbilicata, conoideo-globulosa, tenuis, striatula, sub epidermide fulva albida, obsolete rufo maculata; spira conoidea, apice nigricans, acutiuscula; anfr. vix ultra 4 rapide accrescentes, 2 ultimi turgidi, ultimus antice breviter solutus; apertura obliqua, circularis, superne levissime subangulata; perist. simplex, rectum. — Operc. pallidum, extus medio excavatum, anfr. 5 convexis, oblique striatis. — Diam. maj. $13^1/_2$, min. $11^1/_4$, alt. 9 mill. Ap. diam. $6^1/_2$ mill. (Coll. Dohrn.)

Aulopoma sphaeroideum Dohrn in Malak. Bl. IV. 1857. p. 85.

Habitat in insula Ceylon (Nietner).

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4. **helicinum Chemn.** (Coll. 48. — *Gray* Phan. p. 35. — *Ad.* Gen. p. 283. — *Turbo helicoides Dillw.* Cat. II. p. 867. n. 126.). . . . . Mon. p. 53.

Obs. Species in *Chemn.* ed. nov. p. 387. t. 49. f. 14—16 commemorata deficiente operculo dubia remanet.

VII. Cyclophorus Montfort.

Pfr. Mon. Pneum. p. 54. — *Gray* Cat. Phan. p. 35: genus Cyclophorinorum. — *Woodw.* Man. Moll. II. p. 167 (exclusis subgeneribus). — *H.* et *A. Adams* Gen. rec. Moll. II. p. 279: genus Cyclophorinarum cum subgenere *Myxostoma.*

Conspectus emendatus specierum.

I. Pterocycloidei (*Myxostoma Trosch.*)	§. 1.	Nr.	1— 2.
II. Normales.			
A. Peristomate expanso.			
a. Umbilico libero.			
1. Subturbinati,			
α. ecarinati,			
* sublaevigati vel striati	§. 2.	Nr.	3— 17.
** spiraliter sublirati . .	§. 3.	—	18— 25.
β. subunicarinati	§. 4.	—	26— 43.
γ. pluricarinati vel costati .	§. 5.	—	44— 53.
2. Subdepressi,			
α. spiraliter striati vel costati	§. 6.	—	54— 62.
β. decussati	§. 7.	—	63.
γ. striati.	§. 8.	—	64— 67.
δ. laevigati	§. 9.	—	68.
b. Umbilico semitecto	§. 10.	—	69— 81.
c. Umbilico clauso	§. 11.	—	82— 83.
B. Peristomate recto.			
a. Subturbinati,			
α. laevigati vel striati . .	§. 12.*	—	84— 91.
β. spiraliter sculpti . . .	§. 13.	—	92—101.
b. Depressi.			
α. Peristomate incrassato .	§. 14.	—	102—105.
β. — tenui.			
1. Spiraliter striati vel sulcati	§. 15.	—	106—119.
2. Oblique rugulosi vel foveolati	§. 16.	—	120—123.
3. Simpliciter striati. . . .	§. 17.	—	124—133.

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§. 1.

1. **brevis Mart.** (Myxostoma *Ad.* Gen. p. 281. — *Cyclost. Petiverianum Gray.* — *Cyclost. breve Pfr.* — *Pterocyclos brevis Pfr.* Mon. Pneum. n. 2. — *Gray* Phan. p. 26. — *Cyclophorus brevis Bens.* in Ann. and Mag. 2d. ser. XV. p. 16.) . . . . . Mon. p. 42.

2. C. pinnulifer Benson.

T. late umbilicata, orbiculato-depressa, radiato-striata, striis minutissimis spiralibus decussata, sub epidermide scabra, fusca, albida, superne strigis remotis castaneis radiata; spira planata, apice vix prominulo; sutura profunda; anfr. 4 convexi, subtus rotundati, ultimus antice latior; apertura diagonalis, circularis; perist. leviter expansum, subduplicatum: internum continuum, superne ad angulum vix sinuatum, externum superne alam verticalem subfornicatam efformans. — Operc.? — Diam. maj. 13, min. 10, alt. $3^1/_4$ mill. (Coll. Benson.)

Cyclophorus pinnulifer Bens. in Ann. and Mag. 1857. 2d. ser. XIX.
— — *Pfr.* Novit. conch. I. n. 237. t. 37. f. 22—24.

Habitat ad Teria Ghât, montium Khasia dictorum portam (W. Theobald).

§. 2.

3. **speciosus Phil.** (*Gray* Phan. p. 36. — *Ad.* Gen. p. 280. — Variat spira paulo elatiore et statura minore. Hab. Siam teste Hainos.) . . . . . Mon. p. 56.
4. **Siamensis Sow.** (*Ch.* ed. nov. p. 323. — *Gray* Phan. p. 37. — *Ad.* Gen. p. 280. — Hab. ad Teria Ghât, montium Khasia portam: *Bens.* in Ann. and Mag. 2d. ser. XIX.) . . . . - - 56.
5. **aquila Sow.** (Coll. 49. — *Gray* Phan. p. 38. — *Ad.* Gen. p. 279. — *Trosch.* Gebiss d. Schn. p. 67. t. 4. f. 6. — *Cyclost. subinvolvulus Soul.* in Voy. Bonite. Zool. II. p. 534.) . . . . - - 57.

6. C. alabastrinus Pfr.

T. umbilicata, subdepresso-turbinata, solida, sublaevigata, spiraliter minutissime striata, alabastrina; spira turbinata, sursum livido-fusca, apice acutiuscula; anfract. 5 convexi, celeriter accrescentes, ultimus peripheria obsoletissime subangulatus et antice rudimenta fasciae castaneae exhibens, basi inflatus; umbilicus angustus, vix pervius; apertura obliqua, circularis; perist. fulvo-carneum, continuum, breviter adnatum, crassum, undique reflexum, margine sinistro subdilatatum. — Operc. saturate castaneum. — Diam. maj. 45, min. 34, alt. 25 mill. Ap. intus 17 mill. diam. (Mus. Cuming.)

Cyclostoma alabastrinum (Cyclophorus) *Pfr.* in Proc. Zool. Soc., 1854. p. 126.
Cyclophorus alabastrinus Pfr. Novit. conch. I. p. 3. n. 4. t. 1. f. 4. 5.

Habitat in insula Ceylon (Thwaites).

7. C. Pearsoni Benson.

T. umbilicata, depresso-turbinata, lineis obsoletis spiralibus subgranulata, fulvida, castaneo-marmorata et pallide fasciata; spira depresso-conoidea, apice acutiusculo; anfr. 5 rapide accrescentes, ultimus utrinque convexus, ad peripheriam fascia alba et infra eam alia nigricante circumdatus; umbilicus angustus, subinfundibuliformis; apertura vix obliqua, ampla, circularis, intus coerulescens; perist. simplex, laete aurantiacum, undique expansum et breviter revolutum, marginibus callo brevi junctis. — Operc.? — Diam. maj. 42, min. 33, alt. 25 mill. (Mus. Benson.)

Cyclostoma Pearsoni Bens. in Ann. and Mag. N. H. 2d. ser. VIII. p. 185.
— — *Chemn.* ed. nov. p. 380. t. 49. f. 34—36.
Cyclophorus Pearsoni Pfr. Mon. Pneum. p. 58. n. 6.
— — *Gray* Cat. Phan. p. 38.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat ad Lacát et Chaila partis meridionalis montium Khasia dictorum et in Assam. (*Bens.* in Ann. and Mag. 1857. XIX.)

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8. **volvulus Müll.** (*Gray* Phan. p. 38. — *Mörch* Yold. p. 41. n. 828. — *Ad.* Gen. p. 280. — Excludatur figura Souleyetiana.) . . . . Mon. p. 58.

9. C. Malayanus Benson.

T. depresso-turbinata, laevigata, spiraliter exilissime et obsolete striata, superne castanea, albido undulatim strigata, interdum plurifasciata, subtus albida, castaneo anguste fasciata, infra peripheriam fascia latiuscula saturata, albido sparse articulata, ornata; spira exsertiuscula, apice acutiuscula; anfr. 5 modice convexi, celeriter accrescentes, ultimus rotundatus; umbilicus mediocris, subperspectivus; apertura parum obliqua, ampla, subcircularis, intus albida; perist. duplex: internum continuum, breviter adnatum, externum subplane expansum. — Operc. normale. — Diam. maj. 37—42, min. 28—32, alt. 21—24 mill. Ap. 17—19 mill. diam. (Coll. Nr. 50.)

Cyclostoma Malayanum Bens. in Ann. and Mag. N. H. 2d. ser. X. p. 269.
— *volvulus (trochiforme Lam.) Soul.* Voy. de la Bonite. Moll. t. 30. f. 18—21.
Cyclotus? trochiformis M. E. Gray Fig. Moll. Anim. t. 303. f. 1.
(ex Soul.)
Cyclophorus Malayanus Pfr. in Malak. Bl. 1854. p. 82.

Habitat in peninsula Malayana, nec non in insulis Penang et Lancavi.

10. **picturatus Pfr.** (Proc. 1852. p. 62. — *Ch.* ed. nov. p. 347. — *Gray* Phan. p. 40. — *Ad.* Gen. p. 280.) . . . . Mon. p. 61.

11. **C. floridus Pfr.**

T. anguste umbilicata, globoso-turbinata, tenuiuscula, oblique levissime striatula, albida, maculis sagittaeformibus fuscis, interdum in strigas angulosas confluentibus conspersa; spira turbinata, acutiuscula, apice saepe nigro-cornea; anfr. 5 convexi, ultimus rotundatus, infra peripheriam fascia castanea, deorsum dissoluta, taeniatus; apertura obliqua, subcircularis; perist. simplex, breviter expansum, marginibus callo brevi junctis, sinistro subreflexo. — Operc.? — Diam. maj. 30, min. 24, alt. 20 mill. Ap. 16 mill. longa. (Mus. Cuming.)

Cyclostoma floridum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 300.

β. Peristomate extus patente, antice in tubum producto. (Coll. Nr. 51.)

Habitat Siam (Haines).

12. **C.? aequivocus Pfr.**

T. impervie umbilicata, globoso-turbinata, sublaevigata, (detrita) rubella, castaneo obsolete trifasciata; spira turbinata, acutiuscula; anfr. 5½ convexi, ultimus turgidus, infra medium obsoletissime angulatus; apertura verticalis, circularis; perist. duplex: internum porrectum, igneo-fuscum, externum latiuscule et horizontaliter patens, ad anfr. contiguum excisum. — Operc.? — Diam. maj. 28, min. 20, alt. 20 mill. Ap. intus 12 mill. diam. (Mus. Cuming.)

Cyclostoma aequivocum (Cyclophorus?) *Pfr.* in Proc. Zool. Soc. 1857. p. 112.

Habitat in insula Madagascar?

Obs. Habitu generi Cyclostomo similis, sed peristomatis formatione ab omnibus illius generis speciebus cognitis abhorrens.

13. **C. exaltatus Pfr.**

T. umbilicata, globoso-turbinata, tenuiuscula, oblique striata, nigro-castanea, strigis angulosis pallidis notata; spira elevato-turbinata, acutiuscula; anfr. 5 regulariter accrescentes, convexi, ultimus rotundatus, peripheria pallide subfasciatus; apertura vix obliqua, subcircularis, intus coerulescenti-albida; perist. simplex, album, marginibus callo brevi junctis, dextro perarcuato, breviter expanso, sinistro supra partem umbilici peranguste fornicatim patente. — Operc.? — Diam. maj. 25, min. 21, alt. 19 mill. (Mus. Cuming.)

Cyclostoma exaltatum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 300.

β. Paulo minor, anfractu ultimo subcarinato.

Habitat in insula Hong-Kong (Fortune).

14. **C. cucullatus Gould.**

T. umbilicata, turbinato-depressa, solida, sublaevigata, albida, fasciis interruptis fuscis picta; spira turbinata, apice cornea, obtusula; anfr. $4^1/_2$ convexi, ultimus obsolete subangulatus, antice rotundatus; umbilicus mediocris, pervius; apertura obliqua, subcircularis; perist. duplex: externum expansum et reflexiusculum, internum latere dextro in unguem elongatum, extus striatum, intus laevigatum, fulvidum productum. — Operc.? — Diam. maj. 27, min. 20, alt. 14 mill. Ap. in fundo 8 mill. diam. (Mus. Cuming.)

Cyclostoma cucullatum Gould mss.

Habitat Mergui imperii Birmani.

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15. **Ibyatensis Pfr.** (Proc. 1852. p. 62. — *Ch.* ed. nov. p. 349. t. 45. f. 19. 20. — *Gray* Phan. p. 40. — *Ad.* Gen. p. 280.) . . . . Mon p. 61.

16. **atramentarius Sow.** (*Gray* Phan. p. 41. — *Ad.* Gen. p. 279.) . . . . - - 61.

17. **C.? lignarius Pfr.**

T. anguste umbilicata, turbinata, tenuiuscula, oblique irregulariter striata, rufa, epidermide opaca lignaria obducta; spira conica, acutiuscula; anfr. $5-5^1/_2$ convexi, ultimus basi planior; apertura diagonalis, ovali-rotundata; perist. duplex: internum subcontinuum, callosum, album, adnatum, externum membranaceum, anguste expansum, ad anfractum contiguum excisum. — Operc.? — Diam. maj. 5, min. $4^2/_3$, alt. 4 mill. Ap. $2^2/_3$ mill. longa. (Coll. Nr. 52.)

Cyclostoma lignarium (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1857. p. 112.

Habitat in Nova Seelandia.

Obs. An potius Leptopomati adnumeranda species?

§. 3.

18. **Himalayanus Pfr.** (Proc. 1851. p. 242. — *Ch.* ed. nov. p. 247. t. 33. f. 10. 11. — *Gray* Phan. p. 36. — *Ad.* Gen. p. 280.) . . . . . . Mon. p. 55.

19. **C. Tryblium Benson.**

„T. subaperte umbilicata, depresso-turbinata, solida, superne costis 7—8 planulatis munita, albida, castaneo marmorata, subtus laevigata, versus periomphalum albida, fascia nigricante ad peripheriam ornata; spira turbinata, superne rubella, apice acutiuscula; anfr. 5 convexis, ultimo subdepresso, obsolete angulato, subtus valde convexo; umbilico profundo, infundibuliformi; apertura vix obliqua, subcirculari, intus lutescente; perist. subsimplice, continuo, breviter adnato, pallide aurantio, subincrassato, superne angulatim adscendente, margine dextro subrevoluto, columellari subexpanso, planato. — Operc.? — Diam. maj. 47, min. 38, alt. 29 mill. Ap. intus 20 mill. longa.“ (B.)

Cyclophorus Tryblium Bens. in Ann. and Mag. N. H. 2d. ser. XIV. p. 413.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat Darjiling Himalayae Sikkimensis.

Obs. Nonne *C. Himalayani* var?

20. **C. balteatus Benson.** †

„Testa mediocriter umbilicata, solidiuscula, depresso-turbinata, striata, rugis confertissimis vix undulatis spiralibus superne decussata, basi glabra, saturate castanea, baltea angusta mediana, superne laciniata, et periomphalo lato lacteis; spira breviter turbinata, apice acutiusculo; anfractibus 5 convexis, celeriter accrescentibus, penultimo compressiusculo, ultimo rotundato, subtus convexo, ad suturam planulato, antice sensim descendente; apertura obliqua, ovato-circulari, intus lactea; peristomate expanso, inaequaliter incrassato-reflexo, albido, superne undato, marginibus callo brevi, superne angulato, junctis; umbilico profundo, extus infundibuliformi. — Operc.? — Diam. maj. 40, min. 30, axis 20 mill.“ (B.)

Cyclophorus balteatus Bens. in Ann. and Mag. 1857. 2d. ser. XIX.

Habitat ad Pegu.

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21. **Involvulus Müll.** (Coll. 53. — *Gray* Phan. p. 39. — *Mörch* Yold. p. 41. n. 831. — *Ad.* Gen. p. 279. t. 85. f. 5 c. — *Angaria fasciata Bolt.* Mus. p. 72. n. 917. Ed. alt. p. 51 ex icon. Chemnitzii et Sebae. — Excludatur locus citatus Bensonianus.) . . . . Mon. p. 59.

22. **C. pyrotrema Benson.**

T. umbilicata, globoso-turbinata, solida, superne striata et liris confertis, obtusis, inaequalibus sculpta, castaneo albidoque fulguratim strigata et marmorata; spira conica, eleva-

tiuscula, apice acuta; anfr. 5 convexi, ultimus fascia mediana alba, infra peripheriam obsoletissime angulatam fascia lata subtusque aliis castaneis ornatus, basi convexus, circa umbilicum angustum, pervium albus; apertura parum obliqua, subcircularis, intus coerulescenti-albida; perist. subduplex: internum continuum, igneum, expansiusculum, subadnatum, externum reflexiusculum, albidum, ad anfr. penultimum emarginatum, margine columellari fere verticali, leviter arcuato, subrevoluto. — Operc. norm. — Diam. maj. 35, min. 28, alt. 23 mill. Ap. intus 17 mill. longa. (Mus. Benson et Coll. Nr. 54.)

Cyclostoma involvulus Bens. in Zool. Journ. V. p. 462. Nec Müll.
Cyclophorus pyrotrema Bens. in Ann. and Mag. N. H. 2d. ser. XIV. p. 412.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat ad Sikrigali et Patharghata, Bahar, et ad Rajmahal Bengaliae.

Obs. Variat magnitudine, nec non peristomate tenui, pallido. — Differt a *C. involvulo* spira elatiore, umbilico angustiore, aperturae minus rotundatae colore, etc.

23. C. polynema Pfr.

T. umbilicata, depresso-turbinata, tenuiuscula, oblique striatula et liris filiformibus confertissimis, subtus obsoletioribus cincta, superne flammis angulosis laete castaneis et albidis variegata; spira brevis, turbinata, apice obtusulo; anfr. $4^1/_2$ convexiusculi, rapide accrescentes, ultimus ad suturam antice subplanatus, peripheria obsoletissime angulatus et fascia lata nigro-fusca, deorsum diluta, ornatus, circa umbilicum mediocrem pallidus; apertura obliqua, subrotundata, latior quam alta; perist. album, continuum, breviter adnatum, margine dextro expansiusculo, columellari breviter revoluto. — Operc. saturate castaneum. — Diam. maj. 33, min. 26, alt. 17 mill. Ap. intus 14 mill. alta, 15 lata. (Mus. Cuming.)

Cyclostoma polynema (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 126.

Habitat . . . ?

24. C. Exul Benson.

T. perforata, globoso-turbinata, tenuis, superne oblique striata lirisque planis inaequalibus sculpta, sub epidermide fulvida alba; spira turbinata, strigis fulguratis castaneis ornata, apice obtusula, cornea; anfr. 5 (vix $5^1/_2$) convexi, ultimus rotundatus, subtus lineis elevatis minutis notatus, peripheria non fasciatus; umbilicus angustissimus, non pervius; apertura parum obliqua, subcircularis; perist. tenue, vix con-

tinuum, albidum, breviter expansum, margine columellari subrevoluto. — Operc.? — Diam. maj. 25½, min. 20, alt. 17 mill. Ap. intus 13 mill. longa. (Mus. Benson.)

Cyclophorus Exul Bens. in Ann. and Mag. N. H. 2d. ser. XIV. p. 412.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat Bhamoury, ad pedem montium Rohillano-Himalayanorum (W. J. M. Boys.)

25. **C. Scurra Benson.** †

„Testa subanguste umbilicata, tenui, globoso-turbinata, nitida, tenuiter striata, striis exilissimis spiralibus, sub lente vix conspicuis, decussata, albida, superne strigis undatis, lineisque spiralibus, subtus fasciis (submediana majori) castaneis picta; spira turbinato-conica, apice acutiusculo, nigrescente; anfractibus 5 convexis, sensim accrescentibus, ultimo rotundato; apertura vix obliqua, circulari, superne leviter angulata; peristomate simplici, tenui, anguste expansiusculo, albido. — Operc.? — Diam. maj. 19, min. 16, axis 14 mill.“ (B.)

Cyclophorus Scurra Bens. in Ann. and Mag. 1857. 2d. ser. XIX.

Habitat ad Pegu.

§. 4.

26. **aurantiacus Schum.** (Coll. 56. — *Gray* Phan. p. 41. — *Cyclost. pernobilis Gould* in Proc. Bost. Soc. I. p. 140. — Conf. *Bens.* in Ann. and Mag. 2d. ser. XVII. p. 232.) . . . . Mon. p. 62.

27. **Bensoni Pfr.** (Proc. 1852. p. 158. — *Ch.* ed. nov. p. 244. t. 32. f. 11—13. — *Gray* Phan. p. 41. — *Ad.* Gen. p. 279. — *Cycl. Pearsoni var. Bens.* in Ann. and Mag. 1857. XIX. — Hab. ad partem septentrionalem montium „Khasya Hills“ Indiae: *Bens.* in Ann. and Mag. 1854. XIV. p. 414.) - - 63.

28. **C. Theobaldianus Benson.**

T. mediocriter umbilicata, turbinato-depressa, solidiuscula, lineis filiformibus elevatis flexuosis spiralibus, striisque obliquis clathrato-decussata, subtus laevior, castaneo-fusca, superne strigis albidis interruptis picta, subtus area lata pallida, fascia angusta albida mediana, et infra eam altera, lata castanea cincta; spira mediocris, turbinata, apice acutiuscula; sutura distincta; anfr. 5 convexi, celeriter accrescentes, ultimus subcarinatus, basi convexus; apertura obliqua, subcircularis, ampla, latiuscula, intus albida; perist. fornicato-reflexum, interdum incrassatum, lutescens, breviter adnatum, callo parietali superne expansiusculo, angulato-calloso, margine columellari

leviter sinuato. — Operc. paleaceum, crassiusculum, marginibus anfractuum centralium vix conspicuis, intus umbone minuto munitum. — Diam. maj. 50, min. 39, alt. 28 mill. Aperturae alt. et lat. (perist. incl.) 29 mill. (Coll. Benson.)

Cyclophorus Theobaldianus Bens. in Ann. and Mag. 1857. 2d. ser. XIX.

Habitat ad Thyet Myo Birmanorum (W. Theobald).

Obs. Habitu persimilis *C. specioso Phil.*

29. C. tuba Sowerby.

T. mediocriter umbilicata, depresso-turbinata, solidula, oblique striata et sub lente subdecussata, castanea, albido punctata et marmorata; spira conoidea, acutiuscula; anfr. $5^1/_2$ celeriter accrescentes, superi planiusculi, ultimus superne inflatus, oblique malleatus, peripheria carina levi nigricante munitus, basi pallidior; apertura obliqua, oblique ovalis, intus coerulescens; perist. album, perdilatatum, late expansum et revolutum, anfractui penultimo breviter adnatum, margine columellari sinuoso. — Operc. tenue, medio rubellum, margine lacerum, succineum. — Diam. maj. 48, min. 35, alt. 24 mill. Ap. c. perist. oblique 30 mill. longa, 26 lata, intus 21 longa. (Mus. Benson.)

Cyclostoma tuba Sow., Soul. in Voy. Bonite. Zool. II. p. 535. t. 30. f. 25—27.

Cyclophorus tuba Pfr. Mon. Pneum. p. 57. n. 4.

— — *Gray* Cat. Phan. p. 37.

— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in peninsula Malaccana.

30. C. labiosus Pfr.

T. umbilicata, depresso-turbinata, solida, oblique striatula et lineis spiralibus confertissimis, vix elevatis sculpta, nitidula, saturate castanea, litturis albidis praesertim ad suturam variegata; spira brevis, vertice acutiusculo, sordide fusco; anfr. 5 convexi, celeriter accrescentes, ultimus peripheria subcarinatus et pallide articulatus, infra carinam fascia lata nigricante cinctus, circa umbilicum album, mediocrem, extus infundibuliformem subangulatus; apertura obliqua, subcircularis, intus pallida; perist. crassum, lutescenti-albidum, breviter adnatum, caeterum fornicatim et anguste reflexum, margine columellari subrecedente. — Operc.? — Diam. maj. 43, min. 34, alt. 22 mill. Ap. intus 18 mill. longa et lata. (Mus. Cuming.)

Cyclostoma labiosum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1853. p. 51.
Cyclophorus labiosus Pfr. in Malak. Bl. 1854. p. 82.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat . . . ?

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31. **Borneensis Metc.** (Coll. 56. — *Metc.* in Proc. 1851. p. 71. — *Ch.* ed. nov. p. 362. t. 47. f. 1—3. — *Gray* Phan. p. 42. — *Ad.* Gen. p. 279.) . . Mon. p. 63.
32. **perdix Brod. et Sow.** (Coll. 57. — *Gray* Phan. p. 42. — *Ad.* Gen. p. 280.). . . . . - - 63.
33. **Zollingeri Mouss.** † (*Gray* Phan. p. 43. — *Mörch* Yold. p. 41. n. 830. — *Ad* Gen. p. 280.). - - 64.

34. C. porphyriticus Benson.

T. umbilicata, turbinato-depressa, tenuiuscula, spiraliter confertissime et obsolete striata, vix nitidula, superne laete castanea, confertim albo-guttata, ad suturam maculis magnis albis ornata; spira parvula, conoidea, apice cornea, obtusula; sutura levis; anfr. $4^1/_2$, superi planulati, ultimus latus, convexior, ad peripheriam angulatus et fascia rufa, albo-articulata ornatus, basi planiusculus, pallide fulvidus, albo-guttulatus fasciaque secunda castanea notatus; umbilicus mediocris, pervius; apertura parum obliqua, ovato-circularis, intus alba; perist. album, expansum et reflexiusculum, marginibus callo tenui junctis, columellari subangustato. — Operc.? — Diam. maj. 31, min. $24^1/_2$, alt. 19 mill. (Mus. Benson.)

Cyclostoma porphyriticum Bens. in Ann. and Mag. N. H. 2d. ser. VIII. p. 187.
— — *Chemn* ed. nov. p. 383. t. 50. f. 22—24.
Cyclophorus porphyriticus Pfr. Mon. Pneum. p. 65. n. 17.
— — *Gray* Cat. Phan. p. 43.
— — *H.* et *A Adams* Gen. rec. Moll. II. p. 280.

Habitat in India orientali.

35. **expansus Pfr.** (Proc. 1851. p. 242. — *Ch.* ed. nov. p. 293. t. 39 f. 20. 21. — *Gray* Phan. p. 43. — *Ad.* Gen. p. 280. — Tenasserim: *Benson* in Ann. and Mag. 2d. ser. XVII. p. 232.) . . . . Mon. p. 65.

36. C. Cantori Benson.

T. umbilicata, subgloboso-turbinata, tenuiuscula, spiraliter levissime striata, vix nitidula, fulvida, fusco minute marmorata, punctata et lineata; spira conoidea, apice obtusula, cornea; anfr. 5 convexi, celeriter accrescentes, ultimus inflatus, ad peripheriam obsolete angulatus fasciaque angusta castanea

ornatus; umbilicus angustus, subinfundibuliformis; apertura ampla, fere verticalis, subcircularis, intus margaritaceo-albida; perist. album, subcontinuum, fornicatim revolutum, ad anfractum penultimum tenuissimum. — Diam. maj. 24—30, min. 19—23, alt. 15—19 mill. (Mus Benson.)

Cyclostoma Cantori Bens. in Ann. and Mag. N. H. 2d. ser. VIII. p. 168.
— — *Chemn.* ed. nov. p. 383. t. 50. f. 4—8.
Cyclophorus Cantori Pfr. Mon. Pneum. p. 65. n. 19.
— — *Gray* Cat. Phan. p. 44.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 279.

Habitat in insula Penang.

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37. **Menkeanus Phil.** (*Gray* Phan. p. 44. — *Ad.* Gen. p. 280.) . . . . Mon. p. 66.
38. **amoenus Pfr.** (Proc. 1852. p. 62. — *Ch.* ed. nov. p. 346. t. 45. f. 11. 12. — *Gray* Phan. p. 45. — *Ad.* Gen. p. 279.) . . . . - - 66.
39. **turgidus Pfr.** (Coll. 58. — *Gray* Phan. p. 45. — *Bens.* in Ann. and Mag. 2d. ser. XIV. p. 414. — *Ad.* Gen. p. 280. — *Cyclost. crassum Pfr.* Proc. 1851. p. 242. — *Cyclost. turgidum Ch.* ed. nov. p. 257.) . . . . - - 67.
40. **punctatus Grat.** (Coll. 59. — *Gray* Phan. p. 45. — *Ad.* Gen. p. 280. — *Cyclost. irroratum Sow*) . . . . - - 67.
41. **denselineatus Pfr.** (Proc. 1852. p. 62. — *Ch.* ed. nov. p. 348. t. 45. f. 17. 18. — *Gray* Phan. p. 46. — *Ad.* Gen. p. 280.) . . . . - - 68.
42. **marmoratus Fér.** (*Ch.* ed. nov. p. 301. t. 40. f. 9. 10. — *Gray* Phan. p. 46. — *Ad.* Gen. p. 280.) - - 68.

43. **C. tomotrema Benson.** †

„Testa anguste umbilicata, turbinato-pyramidali, radiato-striatula, liris elevatis spiralibus plurimis, nonnullis majoribus, munita, fusco-cornea; spira conica, apice obtusiusculo albido, sutura bene impressa; anfractibus 5 convexis, ultimo subcarinato; apertura obliqua, subcirculari, livida, supra angulata; peristomate duplici, interiori continuo, expansiusculo, superne ad angulum inciso, exteriori expanso, dilatato. — Operc.? — Diam. $5^1/_2$, axis 5 mill.“ (B.)

Cyclophorus? tomotrema Bens. in Ann. and Mag. 1857. 2d. ser. XIX.

Habitat ad Teria Ghát, montium Khasia dictorum portam (W. Theobald).

Obs. Conf. *C. scissimargo Bens.*

§. 5.

47. C. Aurora Benson.

T. anguste umbilicata, globoso-turbinata, superne liris 5—6 elevatis, interjectisque minoribus sculpta, ferruginea; spira turbinata, apice obtusula; anfr. 5 convexi, superi saepe strigis pallidis fulgurati, ultimus ventrosus, basi sublaevigatus; umbilicus angustus, vix pervius; apertura parum obliqua, subcircularis, superne leviter angulata, intus rubenti-livida; perist. continuum, fusco-aurantiacum, simplex, breviter expansum, superne angulatim subproductum. — Operc. solidiusculum, marginibus anfractuum connatis. — Diam. maj. 28—44, min. 23—34, alt. 19—29 mill. Ap. intus 16—21 mill. longa. (Coll. Nr. 63.)

Cyclostoma Aurora Bens. in Ann. and Mag. N. H. 2d. ser. VIII. p. 186.
— *stenomphalum var. Pfr.* in Chemn. ed. nov. p. 384. t. 50. f. 11—13.
— — — *Pfr.* Mon. Pneum. p. 416.
Cyclophorus Aurora Pfr. Mon. Pneum. p. 72. n. 32.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 279.

Habitat Darjiling Himalayae Sikkimensis.

48. C. Jerdoni Benson.

T. umbilicata, depresso-turbinata, solida, oblique striata, superne striis elevatis confertissimis, basi liris obsoletis spiralibus subdecussata, nitidula, albida, flammis latis fulguratis castaneis superne et usque ad dimidium baseos ornata, fascia pallida peripherica, flammulis attenuatis articulata cincta; spira breviter turbinata, apice acutiusculo cornea; anfr. 5 convexi, celeriter accrescentes, ultimus juxta suturam depresso-planulatus, peripheria subangulatus; umbilicus profundus, mediocris, extus infundibuliformis; apertura obliqua, subcircularis, intus alba; perist. expansiusculum, incrassatum, album, continuum, breviter adnatum, superne subangulatum, margine columellari subreflexo. — Operc.? — Diam. maj. 35, min. 28, alt. 22 mill. (Mus. Benson.)

Cyclostoma Jerdoni Bens. in Ann. and Mag. 2d. ser. VIII. p. 185.
— — *Chemn.* ed. nov. p. 382. t. 50. f. 1—3.
Cyclophorus Jerdoni Pfr. Mon. Pneum. p. 71. n. 29.
— — *Gray* Cat. Phan. p. 48.
— — *H. & A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in montibus Neilgherries Indiae.

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49. **zebrinus Bens.** (*Ch.* ed. nov. p. 256. t. 34. f. 21—23. — *Gray* Phan. p. 49. — *Ad.* Gen. p. 280. — Hab. Nanclai: *Bens.* in Ann. and Mag. 1857. XIX.) . . . . Mon. p. 71.
50. **luridus Pfr.** (Proc. 1852. p. 63. — *Ch.* ed. nov. p. 348. t. 45. f. 15. 16. — *Gray* Phan. p. 49. — *Ad.* Gen. p. 280.) . . . . - - 73.
51. **leucostomus Pfr.** (Proc. 1852. p. 144. — *Ch.* ed. nov. p. 372. t. 48. f 14—16. — *Gray* Phan. p. 50. — *Ad.* Gen. p. 280.) . . . . - - 73.
52. **Guimarasensis Sow.** (Coll. 64. — *Gray* Phan. p. 51. — *Ad.* Gen. p. 280.) . . . . - - 75.
53. **turbinatus Pfr.** (*Gray* Phan. p. 52. — *Ad.* Gen. p. 280. — *Cyclostoma helicoides Sow.*) . . - - 75.

§. 6.

54. **oculus capri Wood.** (Coll. 65. — *Gray* Phan. p. 60. — *Ad.* Gen. p. 280. — *Helix oculus capri Linn.?* [conf. *Pfr.* Mon. Pneum. p. 416]. — *Dillw.* Cat. p. II. p. 889. n 7. — *Cycl. Rafflesii Brod.* — *C. indicum Phil.*) . . . . Mon. p. 87.

55. **C. Nilagiricus Benson.**

T. umbilicata, turbinato-depressa, solida, spiraliter crebrilirata, sub epidermide nigricante obsolete pallide marmorata et ad suturam articulata; spira breviter turbinata, apice cornea, obtuse mucronulata; anfr. 5½ rapide accrescentes, ultimus magnus, ad peripheriam carina subacuta, funiformi munitus, superne turgidus et subcarinatus, prope suturam planulatus, basi convexus, circa umbilicum late infundibuliformem angulatus; apertura diagonalis, subcircularis, intus nitidissime aurantiaco-livida; perist. continuum, breviter adnatum, superne angulatim productum, undique valde incrassatum et breviter reflexum, lucide fusco-igneum. — Operc. circulare, castaneum, extus concavum. — Diam maj. 54, min. 42, alt. 27 mill. Ap. intus 25 mill. longa, 22 lata. (Coll. Nr. 66.)

Cyclostoma Nilagiricum Bens. in Ann. and Mag. 2d. ser. X. p. 269. (Oct. 1852.)

Cyclostoma Pirrieanum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1853. p. 51.
Cyclophorus Nilagiricus Pfr. in Malak. Bl. 1854. p. 83.
— *Pirrieanus Pfr.* ibid. 1854. p. 85.
— — *H. & A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in montibus Neilgherries (Jerdon), Walaghat in montibus Koondah prope Calicut Indiae (J. Pirrie).

56. **C. excellens Pfr.**

T. umbilicata, subturbinato-depressa, solida, confertim spiraliter sulcata, parum nitida, fusco-aurantiaca, strigis angustis fulguratis albis elegantissime picta; spira breviter turbinata, apice cornea, obtusula; anfr. 5 convexi, rapide accrescentes, ultimus carina funiformi alba et adjacente linea rufa cinctus, superne turgidus, juxta suturam excavatus, basi pallidus, circa umbilicum late infundibuliformem subangulatus; apertura parum obliqua, subcircularis, intus margaritaceo-alba; perist. pallide carneum, continuum, breviter adnatum, superne subangulatum, margine dextro breviter patente, sinistro anguste reflexo. — Operc.? — Diam. maj. 53, min. 42, alt. 24 mill. Ap. intus 24 mill. longa, 23 lata. (Mus. Cuming.)

Cyclostoma excellens (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 126.
Cyclophorus excellens Pfr. Novit. conch. I. p. 11. n. 17. t. 4. f. 1. 2.

Habitat in imperio Birmano teste Haines.

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57. **semisulcatus Sow.** (Coll. 67. — *Gray* Phan. p. 61. — *Ad.* Gen. p. 280.) . . . . Mon. p. 88.
58. **Woodianus Lea.** (Coll. 68. — *Gray* Phan. p. 61. — *Mörch* Yold. p. 41. n. 832. — *Ad.* Gen. p. 280. — *Cyclost. Luzonicum Sow.* — *Cyclost. Gironnierii Soul.* Voy. Bonite. Zool. II. p. 532.) . - - 88.

59. **C. spironema Pfr.**

T. umbilicata, subturbinato-depressa, solida, liris crebris filiformibus sculpta, superne laete castaneo et albido variegata; spira brevis, vertice acutiusculo; sutura submarginata; anfr. 4 convexi, rapide accrescentes, ultimus juxta suturam subplanatus, ad peripheriam rotundatam fascia alba et infra eam altera laete castanea ornatus, circa umbilicum latiusculum sublaevigatus, pallidus; apertura vix obliqua, subangulato-circularis; perist. continuum, breviter adnatum, vix expansum, aetate in tubum mediocrem, spiraliter striatum productum. — Operc. normale. — Diam. maj. 28, min. $22^1/_2$, alt. 14 mill. Ap. 13 mill. longa, 12 lata. (Mus. Cuming.)

Cyclostoma spironema (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 127.

Habitat in India.

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62. **C. incisus Jacquinot.** †

T. late umbilicata, conoideo-depressa, liris subconfertis, subacutis spiralibus sculpta, albida; spira brevis, conoidea, mucronulata; anfr. 4 rapide accrescentes, convexi, ultimus antice undulatus; apertura subcircularis; perist. continuum, breviter adnatum, anguste expansum. — Operc. fulvum. — Diam. maj. 10½, min. 9 mill. (Ex ic.)

Cyclostoma incisa Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 49. t. 12. f. 11—15.

Habitat in insula Hogoleu.

§. 7.

63. **C. Phaenotopicus Benson.**

T. late et perspective umbilicata, depressa, subdiscoidea, tenuis, scabriuscule radiato-striata et sub lente subdecussata, cornea, strigis angulatis castaneis, infra medium fasciam subcontinuam formantibus ornata; spira depressa, apice prominula; sutura profundiuscula; anfr. 4½ convexi, sensim accrescentes, ultimus antice vix descendens; apertura obliqua, subcircularis; perist. breviter adnatum, expansiusculum, subduplicatum, limbo externo angulatim patente, superne dilatato. — Operc. normale. — Diam. maj. 12—14, min. 10—11, alt. 4—6 mill. Ap. 5 mill. diam. (Mus. Benson.)

Cyclostoma spiraculum var. Sow. Thes. t. 31. f. 273?
— *Phaenotopicum Bens* in Ann. and Mag. 2d. ser. VIII. p. 190. X. p. 271.
— — *Chemn* ed. nov. p. 386. t. 50. f. 20. 21.
Cyclophorus Phaenotopicus Pfr. Mon. Pneum. p. 100. n. 84.
— — *Gray* Phan. p. 70.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat Darjiling Himalayae Sikkimensis.

§. 8.

64. **Mexicanus Menke.** (Coll. 71. — *Cyrtotoma mexicanum Mörch* Yold. p. 40. n. 807. — *Cyclotus Mexicanus Pfr* Mon. Pneum. n. 32. — *Gray* Phan. p. 19. — Cyrtotoma *Ad.* Gen. p. 276. — Operc. tenue, corneum, subseptemspiratum! — β. Testa majore, fulva; diam. maj. 27½, min. 21½, alt. 12 mill. Cordova, Vera Cruz legit Sallé.) . . Mon. p. 34.

65. **C. Parma Benson.** †

„Testa latissime umbilicata, planato-depressa, discoidea, tenuiuscula, confertim et arcuatim sericato-striata, saturate castanea, flammulis nonnullis pallidis versus spiram ornata, subtus interdum pallidiori; spira planata, apice nullo modo prominente, sutura profunda; anfractibus 5 convexis, ultimo antice descendente; apertura valde obliqua, ampla, ovato-rotundata, superne angulata, intus livide caerulea; peristomate duplici, interiori continuo, albido, ad dextram expansiusculo, exteriori breviter interrupto, expansiusculo, fusco-corneo; margine columellari subtus recedente, dextro prorsum arcuato; umbilico latissimo, minime profundo. Operculo tenui, corneo, 5½-spirato, suturis intus extusque pulchre carinatis. — Diam. major 26, minor 23, alt. 6 mill.“ (B.)

Cyclophorus Parma Bens. in Ann. and Mag. 2d. ser. XVIII. p. 94.

Habitat in regione montana insulae Ceylon (E. L. Layard).

Obs. „Forma et umbilico similis *Pterocyclo hispido Pears.* Anfractus operculi laete cornei minus arcte convoluti quam in *C. Cratera.*“

66. **C. Cratera Benson.** †

„Testa late umbilicata, planulato-depressa, subdiscoidea, tenuiuscula, radiatim et confertim ruguloso-striata, vix nitidula, fulvo-cornea, raro castaneo-strigata; spira planulata, apice vix prominente, sutura profundiuscula; anfractibus 5 convexiusculis, ultimo longe lenteque descendente; apertura obliqua mediocri, subrotundata, superne angulata, intus albida; peristomate duplici, interiori continuo, acuto, breviter porrecto, exteriori expansiusculo, breviter adnato, albido; umbilico aperto profundiusculo. Operculo tenui, corneo, 7-spirato; anfractibus valde angustis, suturis intus et extus pulchre carinatis. — Diam. major 22—24, minor 18—20, alt. 6—8 mill.“ (B.)

Cyclophorus Cratera Bens. in Ann. and Mag. 2d. ser. XVIII. p. 94.

β. Minor; diam. maj. 13, min. 11, alt. 4 mill.

Habitat in insula Ceylon (E. Layard).

Obs. Differt a praecedente colore, forma et positione aperturae, sculptura, umbilico latiore et operculo arctius voluto; a *C. annulato Tr.* deficiente vertice nigro, a *C. Thwaitesi* peristomate duplice et vertice plano.

67. **C. Calyx Benson.**

T. late umbilicata, orbiculato-depressa, radiato-striatula, albida, strigis castaneis radiatis superne picta; spira planata, apice vix prominulo; sutura mediocris; anfr. $4^1/_2$ convexiusculi, ultimus compressus, subtus, circa umbilicum minime profundum, latum, angulatus; apertura diagonalis, circularis; perist. continuum, breviter adnatum, duplex: externum incrassatum, superne expansum, angulatum. — Operc.? — Diam. maj. 10, min. 8, alt. 3 mill. (Coll. Benson.)

Cyclophorus Calyx Bens. in Ann and Mag. N. H. 2d. ser. XVII. p. 228.
— — *Pfr.* Novit. conch. I. n. 238. t. 37. f. 25—27.

Habitat Akaouktong, prope ripas fluminis Irawadi imperii Birmani (W. Theobald).

§. 9.

68. **guttatus Pfr.** (Proc. 1851. p. 251. — *Ch.* ed. nov. p. 333. t. 43. f. 15. 16. — *Gray* Phan. p. 63. — *Ad.* Gen. p. 280.) . . . . Mon. p. 91.

§. 10.

69. **tigrinus Sow.** (Coll. 72. — *Gray* Phan. p. 49. — *Ad.* Gen. p. 279. t. 85. f. 5.) . . . . . . - - 72.

70. **C. Thersites Shuttleworth.** †

„T. anguste umbilicata, depresso-turbinata, gibba, tenuiuscula, acute carinata, oblique striatula, superne lineis 3—4 remotis elevatioribus circumdata, albida, flammulis angulatim flexuosis fusco-rufis, vel fusco-rufa, flammulis albis fulgurata; spira conica, acuta, apice fusco-purpurea; anfr. $4^1/_2$ convexiusculi, ultimus antice leviter et sensim descendens, dorso imprimis gibbus, deinde applanatus, versus aperturam rotundatus; apertura subcircularis, intus caerulescens; perist. album, duplex, internum connexum, appressum, externum breviter expansum, reflexiusculum, margine superiore subdilatato adscendente, columellari reflexo breviter dilatato-producto, umbilicum semioccultante. — Operc.? — Diam. maj. 26, min. (ubi gibbus) 23, alt. 20 mill. Ap. $12^1/_2$ mill. alta.“ (Sh.)

Cyclostoma Thersites (Cyclophorus vel Leptopoma) *Shuttl.* in Bern. Mittheil. 1852. Dec. p. 299. Diagn. n. Moll. Nr. 3 p. 39.
Cyclophorus Thersites Pfr in Malak. Bl. 1854. p. 83.
— — *H. & A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in insulis Philippinis (Verreaux).

Obs. „Affine *C. zebrino Bens.* et *tigrino Sow.*, prioris forsan varietas, sed anfractu ultimo medio valde gibbo, fere ut in *Helice Thersite*, insigne."

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70. **zebra Grat.** (Coll. 73. — *Gray* Phan. p. 50. — *Ad.* Gen. p. 280. — Cyclohelix *Mörch* Yold. p. 41. n. 825.) . . . . Mon. p. 74.
72. **Philippinarum Sow.** (Coll. 74. — *Gray* Phan. p 51. — *Ad* Gen. p. 280.) . . . . - - 74.
73. **validus Sow.** (Coll. 75. — *Gray* Phan. p. 52. — *Ad.* Gen. p. 280.) . . . . - - 77.
74. **Indicus Desh.** (Coll. 76. — *Ch* ed. nov. p. 248. t. 33. f. 3 4. — *Gray* Phan. p. 53. — *Ad.* Gen. p. 280. — De operc. conf. *Bens.* in Ann. and Mag. 2d. ser. XV. p. 16.) . . . . - - 77.

75. C. altivagus Benson.

T. angustissime umbilicata, globoso-conica, solida, sub epidermide decidua . . . superne lurida, caeterum alba; spira elevata, turbinata, acutiuscula; anfr. $5^1/_2$ convexi, superne costis obtusis 6 muniti, ultimus inflatus (costa peripherica vix carinaeformi), basi laevigatus; apertura parum obliqua, subovali-circularis, intus lutescens; perist. duplex: internum continuum, porrectum, superne subangulatum, externum patens, latere dextro costam fingens, superne anguste angulatim adscendens, ad anfr. penultimum late emarginatum, supra umbilicum dilatato-reflexum. — Operc.? — Diam. maj. 31, min. 26, alt. 23 mill. Ap. intus 17 mill. longa, 15 lata. (Mus. Benson.)

Cyclophorus altivagus Bens in Ann. and Mag. 2d. ser. XIV. p. 411.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 279.

Habitat in summis montibus Mahabuleshwar, Indiae meridionalis (A. E. Benson).

Obs. Differt a *C. indico* forma magis elevata, carina indistincta, margine peristomatis columellari minime sinuoso, supra umbilicum angustiorem latius expanso.

76. **linguiferus Sow.** (Coll. 77. — *Gray* Phan. p. 53. — *Mörch* Yold. p. 41. n. 826. — *Ad.* Gen. p. 280.) . . . . Mon. p 78.

77. **canaliferus Sow.** (Coll. 78. — *Gray* Phan. p. 54. — *Mörch* Yold. p. 41. n. 834. — *Ad.* Gen. p. 280. — *Cyclost. canalif. Sow.* 1842 nec 1843.) . Mon. p. 78.
78. **lingulatus Sow.** (Coll. 79. — *Gray* Phan. p. 54. — *Ad.* Gen. p. 280. — Leptopoma *Mörch* Yold. p. 42. n. 835.) . . . . - - 79.
79. **fulguratus Pfr.** (Proc. 1852. p. 63. — *Ch.* ed. nov. p. 345. t. 45. f. 9. 10. — *Gray* Phan. p. 55. — *Ad.* Gen. p. 280. — *β.* Maj. diam. maj. 39, min. 32, alt. 26 mill. Inter Thyet-Mio et Rangoon imperii Birmani teste W. Theobald; *Bens.* in Ann. and Mag. 2d. ser. XVII. p. 232.) . . . . - - 80
80. **appendiculatus Pfr.** (Proc. 1852. p. 61. — *Ch.* ed. nov. p. 345. t. 45. f. 7. 8. — *Gray* Phan. p. 63. — *Ad.* Gen. p. 279.) . . . . - - 90.

81. **C. cryptomphalus Benson.** †

„Testa umbilicata, globoso-depressa, solida, oblique striatula, striis obsoletis confertis decussata, albida, superne rufo-castanea albido-fulgurata, fascia lata mediana albida et infra altera lata castanea cincta; spira turbinata, apice acutiusculo, sutura submarginata; anfractibus 5 convexis, ultimo rotundato, subtus valde convexo; apertura subobliqua circulari, albida; peristomate duplici breviter adnato, interno vix porrecto, expansiusculo, externo incrassato, reflexo, supra umbilicum angustiusculum subobtectum late auriculato-expanso. — Operc.? — Diam. maj. 40, min. 32, axis 25 mill.“ (B.)

Cyclophorus cryptomphalus Bens. in Ann. and Mag. 1857. 2d. ser. XIX.

Habitat in regione Ava Birmanorum.

§. 11.

82. **turbo Chemn.** (Coll. 80. — *Gray* Phan. p. 55. — *Ad.* Gen. p. 280. — Cyclohelix *Mörch* Yold. p. 41. n. 823.) . . . . Mon. p. 80.

83. **C. trochoides Mörch.** †

A *C. turbine* distinctus, sed non descriptus.

Cyclophorus trochoides (Cyclohelix) *Mörch* Cat. Yold. p. 41. n. 824.
— — *H. & A. Adams* Gen. rec. Moll. II. p. 280.

Habitat . . . ?

Obs. *Cyclostoma ictericum Sow.* generi Cyclostomo potius adscribendum videtur.

§. 12.

84. **lutescens Pfr.** (Proc. 1851. p. 250. — *Ch.* ed. nov. p. 333. t. 43. f. 12—14. — *Gray* Phan. p. 56. — *Ad.* Gen. p. 280.) . . . . Mon. p. 82.

85. **C. taeniatus Pfr.**

T. umbilicata, globoso-conica, solida, oblique confertim striata, parum nitens, albida, fasciis variis atrofuscis, interruptis et maculatis taeniata; spira turbinata, acutiuscula; anfr. 5 convexi, ad suturam complanati, minute maculati, ultimus turgidus, infra peripheriam carina funiformi, nonnullisque fasciis latioribus cinctus, basi planior; umbilicus, angustus, pervius; apertura obliqua, subcircularis, intus alba, fasciis perlucentibus; perist. simplex, rectum, continuum, breviter adnatum, superne subangulatum, margine dextro antrorsum dilatato, sinistro incrassato, subpatente. — Operc. rubello-fulvum. — Diam. maj. 28, min. 24, alt. 18 mill. Ap. 16 mill. longa. (Mus. Cuming.)

Cyclostoma taeniatum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 301.

Habitat in insula Sumatra.

86 **Wahlbergi Bens.** (Coll 81. — *Ch.* ed. nov. p. 386. t. 50. f. 17—19. — *Gray* Phan. p. 56. — *Ad* Gen. p. 280.) . . . . Mon. p. 416.

87. **Amboinensis Pfr.** (Proc. 1852. p. 144. — *Ch.* ed. nov. p. 373. t. 48. f. 20—22. — *Gray* Phan. p. 57. — *Ad.* Gen. p. 278.) . . . . - - 82.

88. **C. coeloconus Benson.**

T. umbilicata, turbinato-depressa, tenuis, confertim striata, scabriuscula, olivaceo-lutescens, strigis undatis rufo-fuscis fasciaque unica rufa inframediana ornata; spira conoidea, apice acutiuscula; sutura impressa; anfr. $4^1/_2$ convexi, ultimus cylindricus, non descendens, circa umbilicum latum, conicum sulco obsoleto, intrante notatus; apertura parum obliqua, ovali-circularis, intus submargaritacea; perist. simplex, tenue, rectum, continuum, brevissime adnatum. — Operc.? — Diam. maj. 12—13, min. $10^1/_3$—11, alt. $6^1/_3$—8 mill. Ap. $5^1/_3$—6 mill. longa. (Mus. Benson et Cuming.)

Cyclostoma coeloconus Bens. in Ann. and Mag. 2d. ser. VIII. p. 189.
— — *Chemn.* ed. nov. p. 384. t. 50. f. 9. 10.
Cyclophorus coeloconus Pfr. Mon. Pneum. p. 83. n. 50.

Cyclophorus coeloconus Gray Cat. Phan. p. 57.
— — *H. & A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in montibus Neilgherries Indiae.

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89? **euomphalus Phil.** (Coll. 82. — *Ch.* ed. nov. p. 328. t. 42. f. 27—30. — *Gray* Phan. p. 59. — *Ad.* Gen. p. 280.) . . . . Mon. p. 86.
90? **margarita Pfr.** (Proc. 1851. p. 244. — *Ch.* ed. nov. p. 252. t. 34. f. 9. 10. — *Gray* Phan. p. 60. — *Ad.* Gen. p. 280.) . . . . - - 86.

91. **C.? cereus Pfr.**

T. perforata, conoideo-globosa, solidula, leviter striata, parum nitens, virenti-cerea; spira conoidea, obtusula; anfr. 4 convexi, ultimus rotundatus; apertura parum obliqua, subangulato-circularis; perist. continuum, breviter adnatum, margine dextro recto, columellari subincrassato. — Operc.? — Diam. maj. $6^2/_3$, min. 6, alt. 5 mill. Ap. 4 mill. longa, $3^1/_2$ lata. (Mus. Cuming.)

Cyclostoma cereum (Cyclophorus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 301.

Habitat . . . ?

§. 13.

92. **C.? tiara Gould.**

T. umbilicata, depresse turbinata, solida, striatula et superne liris tenuibus, subconfertis munita, sordide alabastrina; spira conoidea, acutiuscula; sutura submarginata, leviter undulata; anfr. $4^1/_2$ convexiusculi, ultimus subcarinatus, antice descendens, basi laevior; umbilicus conicus, $^1/_5$ diametri aequans; apertura obliqua, subcircularis; perist. rectum, obtusum, breviter adnatum, margine columellari supra umbilicum subdilatato. — Operc.? — Diam. maj. 20, min. 18, alt. 12 mill. Ap. diam. 9 mill. (Mus. Cuming.)

Cyclostoma tiara Gould Exped. Sh. t. 8. f. 116.
Cyclophorus? tiara Pfr. Mon. Pneum. p. 84. n. 53.
— — *Gray* Cat. Phan. p. 58.
— — *H. & A. Adams* Gen. II. p. 280.

Habitat Upolu „Navigator's Islands." (Gould.)

93. **C.? albidus Jacquinot.** †

T. anguste umbilicata, globoso-conica, pallide lutescens, superne obsolete spiraliter sulcata, basi laevigata; spira conica,

acutiuscula; anfr. 6 convexi, ultimus subdevians, leviter solutus, antice rugulosus; apertura subcircularis; perist. simplex, continuum, rectum. — Operc.? — Diam. maj. $11^1/_2$, alt. 11 mill. (Ex ic.)

Cyclostoma albida Hombr. & Jacq. Voy. Pol Sud. Zool. V. p. 50. t. 12. f. 25—28.

Habitat in insulis Samoa.

94. **C.? obligatus Gould.**

T. perforata, globoso-conica, solida, liris acutis subaequalibus cincta, opaca, griseo-albida; spira subgradato-conica, acutiuscula; anfr. $5^1/_2$ convexi, ultimus spiram subaequans; apertura obliqua, angulato-ovalis; perist. rectum, obtusum, margine columellari simplice, subplanato. — Operc.? — Diam. maj. 9, min. $7^2/_3$, alt. 8 mill. Ap. $5^1/_2$ mill. longa, 4 lata. (Mus. Cuming.)

Cyclostoma obligatum Gould Exped. Sh. t. 8. f. 119.
Cyclophorus? obligatus Pfr Mon. Pneum. p. 84. n. 54.
— — *Gray* Cat. Phan. p. 58.
— *obliquatus H & A. Adams* Gen. II. p. 280.

Habitat in insula Matea (ins. Societatis).

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95. **Apiae Recl.** (Coll. 83. — *Gray* Phan. p. 57. — *Ad.* Gen. p. 279. — *Cyclost. plicatum Gould* Exp. Sh. t. 8. f. 118. — *Cycl. pulverulentum Phil.* *Ch.* ed. nov. p. 301. t. 40. f. 13. 14.) . . . . Mon. p. 83.
96. **strigatus Gould.** (*Ch.* ed. nov. p. 302. t. 40. f. 15. 16. — *Gray* Phan. p. 58. — *Ad.* Gen. p. 280.) - - 83.
97. **parvus Sow.** (*Gray* Phan. p. 59. — *Ad.* Gen. p. 280.) . . . . - - 85.
98? **flavus Brod.** (Coll. 84. — *Gray* Phan. p. 59. — *Ad.* Gen. p. 280.) . . . . - - 85.

99. **C.? scissimargo Benson.**

T. umbilicata, globoso-turbinata, sub epidermide cornea albida, strigis distantibus angulatis picta, radiato-striata, striis exilissimis et lineis elevatis remotis spiralibus, his quidem ciliatis, cancellata; spira conica, apice obtusiusculo, nigrescente; sutura profunda; anfr. 5 convexi; umbilicus profundus, anguste perspectivus; apertura obliqua, subcircularis, superne leviter angularis; perist. duplex: exteriore et interiore acutis, sulco separatis, margine columellari emarginato, parietali adnato, superne breviter anguste inciso. — Operc.? — Diam. maj. 7, min. $5^1/_2$, alt. 6 mill. (Coll. Benson.)

Cyclophorus? scissimargo Bens. in Ann. and Mag. 2d. ser. XVII. p. 228.
— — *Pfr.* Novit. conch. I. n. 226. t. 37. f. 19—21.

Habitat ad Phie Tan vallis Tenasserim imperii Birmani (W. Theobald).

100 **C. cuspidatus Benson.**

T. umbilicata, acuminato-conoidea, oblique striata, lineis spiralibus circumdata, epidermide olivaceo-fusca; spira concavo-conoidea, apice mamillari; anfr. 5 convexiusculi, ultimus fimbriato-carinatus, basi convexus, triliratus, lira maxima circa umbilicum mediocrem, infundibuliformem; apertura perobliqua, subcircularis, superne subangulata; perist. tenue, acutum, margine columellari expansiusculo. — Operc. tenue, concavum, corneum, arctissime spiratum, margine anfractuum lineari. — Diam. maj. 6, min. 5, alt. $4^1/_2$ mill. Ap. 3 mill. longa. (Mus. Benson et Cuming.)

Cyclostoma cuspidatum Bens., Pfr Mon. Pneum. p. 313.
— — *Chemn.* ed. nov. p. 378. t. 49. f. 21—23.
— — *Gray* Cat. Phan. p. 223.
Cyclophorus cuspidatus Bens. in Ann. and Mag. 2d. ser. XIV. p. 415. XV. p. 16.

Habitat in montibus Neilgherries Indiae (Jerdon, Conway Shiplay).

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101? **Cytora Gray.** (*Gray* Phan. p. 60. — *Ad.* Gen. p. 280.) . . . . Mon. p. 86.

§. 14.

102. **maculosus Sow.** (Coll. 85. — *Gray* Phan. p. 64. — *Ad* Gen. p. 280.) . . . . - - 91.

103. **C.? deplanatus Pfr.**

T. late umbilicata, depressa, subdiscoidea, solida, confertim striatula, nitida, fusco-lutea vel castanea, fascia unica peripherica lutea cincta; spira vix prominula, vertice subtili; sutura profunda; anfr. 5 rotundati, ultimus teres, antice sensim descendens; apertura obliqua, subcircularis, intus alba; perist. continuum, incrassatum, expansiusculum, subduplicatum, breviter adnatum, margine columellari regulariter arcuato. — Operc.? — Diam. maj. $27^1/_2$, min. 23, alt. 8 mill. Ap. 8 mill. longa et lata. (Coll. Nr. 86.)

Cyclostoma deplanatum (Cyclophorus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 301.

Habitat „Koondah Mountains" Indiae (Pirrie).

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104. **stenostomus Sow.** (Coll. 87. — *Gray* Phan. p. 64. — *Ad.* Gen. p. 280.) . . . . Mon. p. 92.
105. **loxostomus Pfr.** (Proc. 1852. p. 146. — *Ch.* ed. nov. p. 377. t. 49. f. 11—13. — *Gray* Phan. p. 65. — *Ad.* Gen. p. 280.) . . . . - - 93

§. 15.

106? **purus Forb.** (*Gray* Phan. p. 65. — *Ad.* Gen. p. 280.) . . . . Mon. p. 93.
107. **Cumingi Sow.** (Coll. 88. — *Gray* Phan. p. 65. — *Ad.* Gen. p. 280. — *Cyclostoma striata Lea* Obs. I. p. 196.) . . . . - - 94.

108. **C. Forbesianus Pfr.**

T. umbilicata, subdepressa, solida, liris spiralibus inaequalibus subconfertis cincta, opaca, albida vel rubella; spira parum elevata, vertice submucronato; anfr. 5 convexi, ultimus descendens, teres; umbilicus conicus, $^1/_4$ diametri superans; apertura parum obliqua, subcircularis, intus alba vel vinosa; perist. simplex, rectum, superne subdilatatum, breviter adnatum. — Operc. pallidum. — Diam. maj. 23, min. 18, alt. 11 mill. Ap. 9 mill. longa. (Mus. Cuming.)

Cyclostoma Forbesianum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1855. p. 104.

Habitat „Lord Howe's Island" Novarum Hebridarum (Macgillivray).

109. **C. Couderti Fischer et Bernardi.**

T. umbilicata, depressa, solida, liris confertis cincta, sub epidermide fugace fusca albida; spira vix elevata, vertice subtili, parum prominulo; sutura excavata, submarginata; anfr. 5 convexiusculi, celeriter accrescentes, ultimus non descendens, peripheria lira carinaeformi munitus, subtus levissime spiraliter striatus; umbilicus conicus, $^1/_4$ diametri superans; apertura vix obliqua, subcircularis; perist. simplex, rectum, superne subdilatatum, breviter adnatum. — Operc. arctispirum, succineum. — Diam. maj. 21, min. 17, alt. 9 mill. Ap. diam. 9 mill. (Coll. Nr. 89.)

Cyclostoma Couderti Fisch. et *Bern.* in Journ. Conch V. 3 (Jan. 1857.) p. 299. t. 9. f. 3—5.

Habitat in Nova Caledonia.

115. **C. Schrammi Shuttleworth.**

T. late umbilicata, subdepresse orbiculata, tenuis, creberrime striatula, liris spiralibus acutiusculis subremotis elevatis circumdata, olivaceo-viridis, nitidula, pellucens; spira parum elevata, apice acutiuscula; sutura mediocris; anfr. $4^1/_2$ convexi, ultimus vix descendens; apertura subcircularis, vix obliqua; perist. simplex, acutum, ad anfr. penultimum breviter disjunctum, margine columellari subdilatato. — Operc. corneum, pellucidum, extus valde concavum, arctispirum, anfr. circa 8. (Shuttl.)

Cyclostoma Schrammi (Cyclophorus) *Shuttl.* in Journ Conch. V. 3. (Jan. 1857.) p 269.
— *orbella var.?* *Pfr.* in *Chemn.* ed nov. p. 321. t. 41. f. 26. 27.
Cyclotus orbellus β *Pfr.* Mon. Pneum. p. 32. (excluso operculo.)

Habitat in insula Guadeloupe (Petit).

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117. **C. liricinctus Benson.** †

„Testa depressa, orbiculata, albida, liricincta, ad intervalla radiato-striata; spira vix elevata, apice obtuso, suturis excavatis; anfract. $3^1/_2$ convexiusculis, ultimo rotundato, liris 8 cincto; apertura subcirculari, oblique superne angulata, peristomate recto, acuto; umbilico lato, perspectivo. — Operc. corneo, tenui, multispirato. — Diam. maj. 4, min. $3^1/_2$, alt. 2 mill.“ (B.)

Cyclostoma liricinctum Bens. in Ann. and Mag. 2d. ser. XI. p. 106.
Cyclophorus liricinctus Pfr. in Malak. Bl. 1854. p. 85.

Habitat ad oras Australiae occidentalis (Dr. J. F. Bacon).

118. **C.? orbiculatus Benson.** †

„Testa depressa, orbiculata, albida, oblique striata, liris nonnullis, praecipue subtus, munita; spira elevatiuscula, sutura excavata, marginata, exiliter striata; anfr. 4, convexis, ultimo rotundato; apertura subcirculari, obliqua, superne angulata, subcanaliculata; peristomate simplici; umbilico aperto, perspectivo. — Operc.? — Diam. maj. 3½, min. 3, axis 2 mill.“ (B.)

Cyclostoma orbiculatum Bens. in Ann. and Mag. 2d. ser. XI. p. 106.
Cyclophorus? orbiculatus Pfr. in Malak. Bl. 1854. p. 86.

Habitat ad oras Australia occidentalis (Dr. J. F. Bacon).

119. **C. Gayi Hupé.** †

„T. testa minima, subdiscoidea, solidula, fulvo-ferruginea; anfr. 3 convexis, superne et externe carinatis; suturis profundis; apertura ampla, rotundata, marginibus integris, acutis; umbilico pervio; operculo corneo. — Diam. ¾, alt. ½ lin.“ (Hupé.)

Cyclostoma Gayi Hupé in Gay Hist. fis. Chile Zool. VIII. p. 117.

Habitat in parte septentrionali reipublicae Chilensis.

§. 16.

120. **ponderosus Pfr.** (Proc. 1851. p. 243. — *Ch.* ed. nov. p. 257. t. 35. f. 12—14. — *Gray* Phan. p. 68. — *Ad.* Gen. p. 280.) . . . . Mon. p. 97.

121. **C. Boucardi Sallé.**

T. latiuscule umbilicata, conoideo-depressa, solida, impressionibus malleatis undique tuberculato-rugosa et liris obsoletis distantibus munita, epidermide fulva, saturatius fasciata, vestita; spira breviter conoidea, obtusa; anfr. 5 modice convexi, celeriter accrescentes, ultimus rotundatus, antice interdum breviter solutus; apertura parum obliqua, subangulato-ovalis, intus margaritacea; perist. simplex, rectum, continuum, superne obsolete angulatum, margine columellari leviter arcuato. — Operc. tenuissimum, fulvum, planum. — Diam. maj. 36, min. 30, alt. 18—19 mill. Ap. 17⅓ mill. longa, 16 lata. (Mus. Cuming et Coll. Nr. 92.)

Cyclostoma Boucardi Sallé mss.
— — (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1856. p. 323. t. 35. f. 25.

Habitat Cordova Status Veracruz Reipublicae Mexicanae (Sallé).

122. **texturatus Sow.** (*Ch.* ed. nov. p. 258. t. 35. f. 10. 11. — *Gray* Phan. p. 68. — *Ad.* Gen. p. 280.) Mon. p. 97.

123. **C. Cayennensis Shuttleworth.** †

„T. latiuscule umbilicata, conoideo-orbiculata, solida, pliculis obliquis undulatis et anastomizantibus foveolata, olivaceo-cornea; spira breviter conoidea, obtusiuscula; anfr. 4 convexi, sensim accrescentes, ultimus rotundato-subinflatus; apertura fere verticalis, subcircularis, apice subangulata; perist. simplex, acutum, continuum, margine superiore producto subinflexo ad insertionem profunde exciso, columellari subincrassato recedente. — Operc. tenue, corneum, arctispirum, extus concavum. — Diam. maj. 21, min. 15, alt. 15 mill. Ap. $10^1/_2$ mill. longa, $9^1/_2$ lata.“ (Sh.)

Cyclostoma Cayennense (Cyclophorus) *Shuttl.* in Bern. Mittheil. 1852. Dec. p. 299. Diagn. n. Moll. Nr. 3. p. 39.
Cyclophorus Cayennensis Pfr. in Malak. Bl. 1854. p. 86.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat Cayenne (Verreaux).

§. 17.

124. **annulatus Trosch.** (Coll. 93. — *Gray* Phan. p. 69. — *Ad.* Gen. p. 279 — *β. Cyclost. discus Sow.* „Koondah Mountains“ Indiae legit Pirrie.) . Mon. p. 98.

125. **C. Thwaitesi Pfr.**

T. late umbilicata, depressa, subdiscoidea, tenuis, subconfertim arcuato-striata, nitidula, luteo-fulva, strigis angulosis castaneis eleganter flammata; spira subplana, vertice vix prominulo; sutura profunda; anfr. 4 modice convexi, celeriter accrescentes, ultimus teres, antice vix descendens; apertura fere diagonalis, ovali-rotundata, intus submargaritacea; perist. simplex, acutum, marginibus fere contiguis, callo tenui junctis, dextro expansiusculo, columellari subreflexo. — Operc. fulvum. — Diam. maj. 12, min. 9, alt. 5 mill. Ap. $5^1/_3$ mill. longa, $4^1/_2$ lata. (Mus. Cuming.)

Cyclostoma Thwaitesi (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1854. p. 127.
Cyclophorus Thwaitesi Pfr. in Malak. Bl. 1854. p. 86.

Habitat in insula Ceylon (Thwaites).

126. **C. Parapsis Benson.**

T. late et perspective umbilicata, depressa, fere discoidea,

tenuis, confertim striatula, albida, epidermide tenui, nitida, fusco-olivacea obducta; spira planiuscula, vertice subtili vix prominulo; sutura profunda; anfr. 4 convexiusculi, celeriter accrescentes, ultimus subdepresso-cylindraceus, leviter descendens; apertura vix obliqua, subcircularis, intus nitida, glaucescens; perist. simplex, rectum, marginibus fere contiguis, callo tenui junctis. — Operc. fulvum. — Diam. maj. 11—13, min. 9 – 10, alt. 4—4½ mill. Ap. 4 mill. diam. (Coll. Nr. 94.).

Cyclophorus Parapsis Bens. in Ann. and Mag. 2d. ser. XII. p. 96.)
— — *Pfr.* in Malak. Bl. 1854. p. 87.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat Damboul insulae Ceylon (Layard).

127. **C. ravidus Benson.**

T. late et perspective umbilicata, subdiscoidea, tenuiuscula, confertim et scabre tenuiter radiato-striata, sordide lutea, epidermide detrita alba; spira vix elevata, vertice planiusculo; sutura impressa; anfr. 4½ sensim accrescentes, convexiusculi, ultimus subdepresso-cylindraceus, antice vix descendens; apertura obliqua, subangulato-circularis, intus submargaritacea; perist. simplex, rectum, marginibus callo tenuissimo junctis, columellari perarcuato. — Operc. tenue, corneum, multispiratum, extus concaviusculum. — Diam. maj. 15, min. 13, alt. 7 mill. (Mus. Benson.)

Cyclostoma ravidum Bens. in Ann. and Mag. 2d. ser. VIII. p. 190.
— — *Chemn.* ed. nov. p. 385. t. 50. f. 14—16.
Cyclophorus ravidus Pfr. Mon. Pneum. p. 99. n. 82.
— — *Gray* Cat. Phan. p. 70.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.

Habitat in montibus Neilgherries Indiae.

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128? **discutus Pfr.** (Proc. 1851. p. 243. — *Ch.* ed. nov. p. 295. t. 39. f. 11—13. — *Gray* Phan. p. 70.— *Ad.* Gen. p. 280.) . . . . Mon. p. 99.

130. **C. Beauianus Petit.**

T. umbilicata, subconoideo-depressa, tenuis, levissime striatula, nitidula, epidermide virenti-lutea induta; spira parum elata, vertice obtusulo, rubello; anfr. 4½ convexi, sensim accrescentes, ultimus subdepresso-rotundatus; umbilicus perspectivus, ⅓ diametri fere occupans; apertura obliqua, subcircularis, intus albido-margaritacea; perist. simplex, rectum, mar-

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ginibus approximatis, callo tenuissimo junctis. — Operc. tenue, concolor, extus concavum. — Diam. maj. 11$^1/_2$, min. 9, alt. 5$^1/_2$ mill. Ap. diam. 5 mill. (Coll. Nr. 95.)

Cyclostoma Beauiana Petit in Journ. Conch. IV. 1853. p. 363. t. 11. f. 11. 12.

— *inornatum Redfield* in Ann. Lyc. N. York VI. p. 131. t. 1. f. 7.

Cyclophorus Beauianus Pfr. in Malak. Bl. 1854. p. 87.

Habitat in insula Guadeloupe (Beau).

130. **C. Shiplayi Pfr.**

T. umbilicata, depressa, tenuiuscula, membranaceo-striata, fulva, castaneo oblique strigata; spira vix elevata; anfr. 4 convexi, ultimus teres; umbilicus $^1/_3$ diametri occupans; apertura obliqua, subcircularis; perist. simplex, rectum, ad anfractum contiguum vix interruptum. — Operc.? — Diam. maj. 7, min. 6, alt. 3 mill. Ap. diam. 3 mill. (Mus. Cuming.)

Cyclostoma Shiplayi (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1856. p. 337.

Habitat in montibus Neilgherries Indiae (Conway Shiplay).

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131? **Moricandi Pfr.** (Coll. 96. — *Gray* Phan. p. 71. — *Cycl. disjunctum Moric.*, *Ch.* ed. nov. p. 260. t. 35. f. 1. 2. — *Cyclopoma disjunctum Trosch.*) . . . . Mon. p. 100.

132. **C. convexiusculus Pfr.**

T. umbilicata, convexiuscula, tenuiuscula, epidermide sordide fuscescente, confertim membranaceo-plicata, ad suturam squamosa, induta; spira parum elevata, vertice subtili; anfr. 4$^1/_2$ modice convexi, ultimus subdepressus, basi rotundatus; umbilicus apertus, $^1/_3$ diametri formans; apertura obliqua, subcircularis; perist. continuum, breviter adnatum, simplex, rectum. — Operc. corneum, indistincte arctespiratum. — Diam. maj. 6, min. 5, alt. 2$^2/_3$ mill. Ap. diam. 2 mill. (Mus. Cuming.)

Cyclostoma convexiusculum (Cyclophorus) *Pfr.* in Proc. Zool. Soc. 1856.

β. Minor, anfr. 4, apice prominentiore; diam. maj. 4, min. 3, axis 2 mill.

Cyclophorus convexiusculus var. min. Bens. in Ann. and Mag. 2d. ser. XVIII. p. 438.

Habitat in Promontorio Bonae Spei (Macgillivray, Layard.)

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133. **C.? cornu venatorium Sowerby.** †

„T. orbiculato-depressa, albicante; spira mucronata, nigra; anfractibus 4 ventricosis, superne transversim striatis, infra laevibus, linea mediana ferruginea; sutura profunda; apertura circulari, peritremate tenui, acuto; umbilico maximo.“ (Sow.) — Diam. maj. 20, alt. 11 mill. (Ex ic.)

Cyclostoma cornu venatorium „*Gmel.*“, *Sow.* Thes. p. 107. t. 24 f. 41. 42.

Aulopoma? cornu venatorium Pfr. Mon. Pneum. p. 53.

— — — *Gray* Cat. Phan. p 34.

Cyclophorus cornu venatorium Bens. in Ann. and Mag. 1857. XIX.

Habitat . . . ?

Obs. Cl. Benson testam, in Ava collectam, apice albo modo ab icone Sowerbyana discrepantem et evidenter ad genus Cyclophorum pertinentem, cum *Cyclost. venatorio* identicam censet. — In collectionibus Londinensibus saepius *Aulopoma Itieri* nomine Sowerbyano designatum vidi.

VIII. Leptopoma Pfr.

Conf. *Pfr.* Mon. Pneum. p. 101. — *Gray* Cat. Phan. p. 71: genus Cyclophorinorum. — *Woodw.* Man. Moll. II. p. 177: subgenus Cyclophori. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 281: genus Cyclophorinarum, sejuncta *Dermatocera* restrictum. — Pes animalis simplex. (Nonne plures species, nunc huc relatae, ad Dermatoceram potius referendae sint?)

Conspectus specierum.

A. Peristomate reflexo.
  1. Ecarinatae . . . . §. 1. Nr. 1—10.
  2. Carinatae,
    a. globoso-conicae,
      α. carina levi . . . . §. 2. Nr. 11—20.
      β. carina acuta . . . . . . §. 3. Nr. 21—29.
    b. conicae . . . . §. 4. Nr. 30—37.
B. Peristomate simplice recto . . . . §. 5. Nr. 38—44.

§. 1.

1. **pellucidum Grat.** (Coll. 97. — *Cyclost. pellucida Grat.* — *Cyclost. concinnum Sow.*, *Chenu* Ill. conch. t. 1. f. 18. — *Leptopoma perlucidum Pfr.* Mon. Pneum. n. 2. — *Gray* Phan. p. 72. — *Ad.* Gen. p. 281. t. 85. f. 6 a. 6 b.) — *Cyclophorus concinnus* [Leptopoma] *Mörch* Yold. p. 42. n. 837.) . . . . Mon. p. 103.

2. **ignescens Pfr.** (Proc. 1851. p. 251. — *Ch.* ed. nov. p. 328. t. 42. f. 11. 12. — *Gray* Phan. p. 73. — *Ad.* Gen. p. 281.) . . . . - - 103.

3. **L. Lowi Pfr.**

T. perforata, globoso-turbinata, tenuis, sub lente confertissime spiraliter striata, pellucida, fulvo-cornea, ad suturam fascia alba subopaca ornata; spira turbinata, acuta; anfr. 5 convexi, mediani liris nonnullis obsoletis notati, ultimus rotundatus; apertura obliqua, subcircularis, intus margaritacea; perist. album, subrectangule expansum, marginibus callo tenuissimo junctis, columellari superne subexciso. — Operc. normale. — Diam. maj. 14, min. 12, alt. 11 mill. Ap. intus 7 mill. longa, 6½ lata. (Coll. Nr. 98.)

Cyclostoma Lowi (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1855. (casu omissum!)

β. Testa minore, anfractu ultimo corneo-variegato, medio albido subfasciato.

Habitat in insula Borneo. (Hugh Low).

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4. **bicolor Pfr.** (Proc. 1852. p. 145. t. 13. f. 9. — *Ch.* ed. nov. p. 374. t. 48. f. 25—27. — *Gray* Phan. p. 73. — *Ad.* Gen. p. 281.) . . . . . . Mon. p. 104.

5. **L. semiclausum Pfr.**

T. perforata, globoso-turbinata, tenuiuscula, striis obliquis et spiralibus minute decussata, albida, flammis latis angulosis fusco-viridibus et fasciis inframedianis nonnullis saturatioribus picta; spira elata, turbinata, acutiuscula; anfr. 5 convexi, rapide accrescentes; apertura obliqua, fere circularis; perist. duplex: internum expansiusculum, incumbens, externum rectangule patens, ad perforationem reflexum, eam fere claudens. — Operc. virenti-fulvum. — Diam. maj. 13, min. 10, alt. 10 mill. Ap. 7 mill. longa, 6 lata. (Mus. Cuming.)

Cyclostoma semiclausum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1854. p. 302.

β. Testa minore alba, fasciis variis viridulis pellucentibus ornata.

Habitat in insula Ceylon (Thwaites).

6. **L. Hanleyanum Pfr.**

T. vix perforata, globoso-turbinata, tenuiuscula, striis spiralibus confertissimis, subundulatis, lirisque nonnullis levibus obtusis cincta, fulvida, flammis angulosis fuscis marmorata; spira turbinata, apice acutiusculo, nigricante; anfr. 5 convexi, ultimus inflatus, circa perforationem subclausam pallidus; apertura obliqua, subangulato-circularis; perist. subduplex: internum vix interruptum, adnatum, externum patens, concentrice striatulum, latere sinistro dilatato, fornicatim reflexo. — Operc. planum, fulvum. — Diam. maj. 12, min. 10, alt. 10 mill. Ap. intus $6^1/_3$ mill. longa, $5^1/_2$ lata. (Mus. Cuming.)

Cyclostoma Hanleyanum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1856. p. 384. Malak. Bl. 1856. p. 244.

Habitat „Admiralty Islands."

7. **L. Garreli Souleyet.** †

„C. testa orbiculato-conica, umbilicata, fusco-olivacea, lineis elevatis et angustis cincta; spira conico-acuta, depressiuscula; anfractibus senis, convexis; apertura circulari, albida; peristomate reflexiusculo, intus incrassato et lacteo; umbilico profundo, intus angustato. — Operc. corneum, tenue, pellucidum, multispiratum. — Lat. 9, alt. 7 mill" (Soul.)

Cyclostoma Garreli Soul. in Voy. Bonite. Zool. II. p. 538. t. 30. f. 33—37.
Leptopoma Garreli Bens. in Ann. and Mag. 2d. ser. XIV. p. 416.

Habitat in insula Penang.

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8. **melanostomum Pet.** (*Hombr.* et *Jacq.* Voy. Pol Sud. Zool. V. p. 50. — *Gray* Phan. p. 73. — *Ad.* Gen. p. 281.) . . . . Mon. p. 104.
9. **luteostomum Sow.** (Coll. 99. — *Gray* Phan. p. 74. — *Ad.* Gen. p. 281.) . . . . - - 104.

10. **L. signatum Pfr.**

T. perforata, globoso-turbinata, tenuis, sub lente decussatula et lineis filaribus subelevatis, subdistantibus cincta, diaphana, lutescenti-cornea, strigis confertis rufis fulgurata; spira turbinata, acutiuscula; anfr. 5 convexi, ultimus spiram sub-

aequans, 5-liratus; apertura diagonalis, subcircularis; perist. subincrassatum, patens, marginibus fere contiguis, columellari angustiore. — Operc.? — Diam. maj. 11, min. 8 2/3, alt. 8 2/3 mill. Ap. intus 5 1/4 mill. longa. (Mus. Cuming.)

Cyclostoma signatum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1856. p. 338.

Habitat in insula Borneo.

Obs. Conf. *Cyclophorus? lignarius.*

§. 2.

11. **immaculatum Chemn.** (Coll. 100. — *Gray* Phan. p. 74. — *Ad.* Gen. p. 281. t. 85. f. 6. 6 c. — *Janthina cytherea Bolt.* Mus. p. 75. n. 967. Ed. 2a. p. 54. — *Cyclophorus laevis* [Leptopoma] *Mörch* Yold. p. 42. n. 839. Excludatur synon.: *Cyclostoma maculosa Soul.* et conferatur *Dermatocera maculosa*) . . . . Mon. p. 105.

12. **latelimbatum Pfr.** (Proc. 1851. p. 244. — *Ch.* ed. nov. p. 298. t. 40. f. 1. 2. — *Gray* Phan. p. 75 — *Ad.* Gen. p. 281.) . . . . - - 106.

13. **Massenae Less.** (*Gray* Phan. p. 75. — *Ad.* Gen. p. 281. — *Cyclost. multilabris Lam.* — *Leptopoma multilabris M. E. Gray* Fig. Moll. Anim. t. 311. f. 8 ex Quoy.) . . . . - - 107.

14. **sericatum Pfr.** (Coll. 101. — Proc. 1851. p. 244. — *Ch.* ed. nov. p. 300. t. 40. f. 7. 8. 11. 12. — *Gray* Phan p. 76. — *Ad.* Gen. p. 281.) . . - - 108.

15. **L. Wallacei Pfr.**

T. perforata, globoso-turbinata, tenuis, oblique striata et carinis 5—6 subacutis, lirisque minoribus spiralibus munita, diaphana, albida, fasciis fuscis varie signata; spira elato-turbinata, acutiuscula; anfr. 5 perturgidi, subangulati, ultimus basi albidus; apertura obliqua, subcircularis; perist. simplex, album, breviter interruptum, margine dextro aequaliter patente, sinistro superne sinuato, tum subangulatim producto. — Operc. pallide corneum. — Diam. maj. 11, min. 9, alt. 9 mill. Ap. 6 mill. longa, 5 2/3 lata. (Mus. Cuming.)

Cyclostoma Wallacei (Leptopoma) *Pfr.* in Proc Zool. Soc. 1857. p. 112.

Habitat in insula Borneo (Wallace).

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16. **Panayense Sow.** (*Gray* Phan. p. 76. — *Ad.* Gen. p. 281.) . . . . Mon. p. 108.

17. **L. aspirans Benson.**

T. perforata, globoso-conica, acuminata, tenuis, translu-

cens, oblique et spiraliter exilissime striata, lineis elevatis 6 spiralibus, aequidistantibus, superne munita, albido-cornea, fasciis fuscis vel strigis angulatis castaneis ornata; spira elevato-conica, apice acutiuscula; sutura impressa; anfr. $5^1/_2$ convexi, ultimus ad peripheriam carinatus, subtus laevior; apertura obliqua, subcircularis; perist. tenue, horizontaliter breviter patens, marginibus callo tenui junctis, columellari leviter emarginato. — Operculum normale. — Diam. maj. 11, min. 9, alt. 10 mill. Ap. $6^1/_2$ mill. longa. (Mus. Benson.)

Leptopoma aspirans Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 229.

Habitat in valle Tenasserim imperii Birmani (W. Theobald).

18. **L. duplicatum Pfr.**

T. anguste umbilicata, globoso-turbinata, solidula, undique conferte spiraliter striata lirisque filiformibus distantibus cincta, fulva, strigis fulguratis rufis ornata; spira elevata, acutiuscula; anfr. 5 convexi, ultimus superne turgidus, infra medium carina levi munitus; apertura obliqua, subangulato-circularis; perist. subcontinuum, album, duplex: internum vix porrectum, externum expansum et reflexiusculum, latere sinistro quasi abscissum. — Operc.? — Diam. maj. 10, min. 8, alt. 7 mill. Ap. intus $4^2/_3$ mill. longa. (Mus. Cuming.)

Cyclostoma duplicatum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1856. p. 338.

Habitat . . . ?

19. **L. apicatum Benson.** †

„Testa subobtecte perforata, globoso-conica, tenui, oblique striatula sublente spiraliter confertim striata, albida, interdum flammulis et fascia unica infra peripheriam angulatam ornata, sutura profunda; spira conica, apice saturate castaneo-nigrescente, acutiusculo; anfractibus $4^1/_2$ convexiusculis, ultimo ad peripheriam obtuse angulato; apertura obliqua rotundata, peristomate duplici, interiori expansiusculo marginibus callo junctis, exteriori breviter expanso, margine columellari reflexo perforationem fere occultante. — Diam. major $10^1/_2$, min. 9, axis 9 mill.“ (B)

Leptopoma apicatum Bens. in Ann. and Mag. 2d. ser. XVIII. p. 95.

Habitat in insula Ceylon (E. Layard).

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20. **perplexum Sow.** (Coll. 102. — *Gray* Phan. p. 77. — *Ad.* Gen. p. 281.) . . . . Mon. p. 109.

§. 3.

21. **acutimarginatum Sow.** (Coll. 103. — *Gray* Phan. p. 77. — *Ad.* Gen. p. 281. — Species characteribus quasi intermedia inter genera Leptopoma et Cyclophorum.) . . . . Mon. p. 110.

22. **helicoides Grat.** (Coll. 104. — *Gray* Phan. p. 78. — *Ad.* Gen. p. 281. — Leptopoma *Mörch* Yold. p. 42. n. 836. — *Cyclostoma Stainforthi Sow.*) - - 110.

23. **L. Cybeus Benson.**

Testa anguste umbilicata, tenuis, turbinato-conica, striatula, lineis elevatis remotis spiralibus cincta, albida, strigis castaneis undulatis picta; spira conica, apice obtusiuscula; sutura impressa; anfr. 5 convexiusculi, ultimus acute carinatus, basi tumidus; apertura magna, parum obliqua, subcircularis, superne leviter angulata; perist. expanso-reflexum, margine columellari sinuato. — Operc. corneum, 8-spiratum. — Diam. maj. 20, min. 16, alt. 13 mill. (Mus. Benson.)

Leptopoma Cybeus Bens. in Ann. and Mag. 1857. 2d. ser. XIX.
— — *Pfr.* Novit. conch. I. n. 239. t. 37. f. 28—30.

Habitat ad Nanclai Indiae (W. Theobald).

Obs. Umbilicus angustus peristomate reflexo fere occultatus. Conf. *L. Birmanum Pfr.*

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24. **insigne Sow.** (Coll. 104. — *Gray* Phan. p. 78. — *Ad.* Gen. p. 281.) . . . . Mon. p. 111.

25. **L.? Sechellarum Pfr.**

T. anguste umbilicata, globoso-conica, tenuiuscula, radiato-striata, pluricarinata, fuscescenti-albida; spira turbinata, acutiuscula; anfr. 5 convexi, rapide accrescentes, ultimus carinis 2 3 majoribus (maxima peripherica, aliis superis) lirisque spiralibus basi confertioribus munitus; apertura vix obliqua, subcircularis; perist simplex, breviter expansum, marginibus approximatis. — Operc.? — Diam. maj. 12, min. 10, alt. 10 mill. Ap. $6^1/_2$ mill. longa, $5^1/_2$ lata. (Mus. Cuming.)

Cyclostoma Sechellarum (Leptopoma?) *Pfr.* in Proc. Zool. Soc. 1854. p. 302.

Habitat in insulis Sechellis.

26. **L. Jacquinoti Pfr.** †

T. anguste umbilicata, globoso-conica, tenuis, laevigata,

albida; spira conica, acuta, anfr. 6 convexiusculi, ultimus peripheria carinatus, basi inflatus; apertura subacuminato-ovalis; perist. breviter expansum, margine columellari ad umbilicum et ad anfractum penultimum exciso. — Operc. normale. — Diam. maj. 14, min. 11 mill. (Ex ic.)

Cyclostoma pellucida Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 51. t. 12. f. 29—33. Nec Grat.

Habitat in insulis Salomonis.

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27. **ciliatum Sow.** (*Gray* Phan. p. 78. — *Ad.* Gen. p. 281.) . . . . Mon. p. 112.
28. **ciliferum Mouss.** † (*Gray* Phan. p. 79. — *Ad.* Gen. p. 281.) . . . . - - 112.

29. **L. barbatum Pfr.**

T. umbilicata, depresso-turbinata, tenuis, acute carinata, sub epidermide arcuato-striata fulvo et castaneo variegata; spira turbinata, apice acuta; anfr. 5 convexiusculi, superne liris 3—4 prope carinam muniti, ultimus ad carinam pilis squamosis barbatus, basi convexior, liris 2 distantibus nonnullisque obsoletioribus subangulatus; umbilicus mediocris, conicus; apertura fere diagonalis, subcircularis; perist. duplex: internum continuum, expansiusculum, ad anfractum penultimum subsinuatum, externum breviter patens et reflexiusculum, superne subdilatatum. — Operc. membranaceum, corneum. — Diam. maj. 13, min. 11, alt. $6^1/_2$ mill. Ap. $5^1/_2$ mill. longa et lata. (Mus. Cuming.)

Cyclostoma barbatum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1855. p. 104.

β. Testa majore, paulo depressiore, anfr. 5, umbilico paulo latiore; diam. maj. 18, min. $14^1/_2$, alt. $8^1/_2$ mill.

β. Testa minore, anfr. 5, liris basalibus distinctioribus; diam. maj. 11, min. 9, alt. 6 mill.

Habitat in insula Borneo, Sarawak.

§. 4.

30. **undatum Metc.** (Proc. 1851. p. 71. — *Gray* Phan. p. 79. — *Ad.* Gen. p. 281. — Operc. membranaceum, pallidissime corneum, planum. — *β.* Testa majore, anfr. $6^1/_2$, ultimo anticе subgibbo; diam. maj. 21, min. 18, alt. 16 mill. Ap. intus 10 mill. longa, $9^1/_2$ lata.) . . . . Mon. p. 113.
31. **fibula Sow.** (Coll. 106. — *Gray* Phan. p. 79. — *Ad.* Gen. p. 281.) . . . . - - 113.

32. **goniostomum Sow.** (Coll. 107. — *Gray* Phan. p. 80. — *Ad.* Gen. p. 281.) . . . . Mon. p. 114.
33. **pileus Sow.** (Coll. 108. — *Gray* Phan. p. 80. — *Ad.* Gen. p. 281.) . . . . - - 114.
34. **atricapillum Sow.** (Coll. 109. — *Gray* Phan. p. 81. — *Ad.* Gen. p. 281.) . . . . - - 115.
35. **regulare Pfr.** (Proc. 1851. p. 244. — *Ch.* ed. nov. p. 298. t. 40. f. 3. 4. — *Gray* Phan. p. 81. — *Ad.* Gen. p. 281.) . . . . - - 116.
36. **acuminatum Sow.** (Coll. 110 — *Gray* Phan. p. 82. — *Ad.* Gen. p. 281.) . . . . - - 116.
37. **elatum Pfr.** (Proc. 1852. p. 159. — *Ch.* ed. nov. p. 246. t. 32. f. 16. 17. — *Gray* Phan. p. 82. — *Ad.* Gen. p 281.) . . . . - - 117.

§. 5.

38? **tenebricosum A. Ad. et Reeve.** (*Ch.* ed. nov. p. 250. t. 33. f. 12. 13. — *Gray* Phan. p. 82. — *Cyclophorus tenebricosus Ad.* Gen. p. 280.) . Mon. p. 117.
39? **Birmanum Pfr.** (Coll. 111. — *Ch.* ed. nov. p. 363. — *Gray* Phan. p. 83. — *Cyclophorus Birmanus Ad.* Gen. p. 279.) . . . . - - 117.

Obs. *Leptopoma Cybeus Bens.* in statu imperfecto testis nostris persimile, sed liris distinctis discrepans.

40. L. flammeum Pfr.

T. angustissime umbilicata, elongato-conica, tenuis, oblique leviter striatula, fulva, strigis angulatis rufis ornata; spira elevata, conica, apice acutiuscula, pallida; sutura profunda; anfr. 6 perconvexi, lente accrescentes, ultimus rotundatus; apertura parum obliqua, subcircularis, intus concolor; perist. simplex, rectum, marginibus breviter disjunctis, columellari subdilatato, patente. — Operc.? — Diam. maj. 8, min. 7, alt. 8 mill. Ap. diam. 4 mill. (Mus. Cuming.)

Cyclostoma flammeum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1854. p. 127.

Habitat in insula Ceylon (Layard).

41. L. poecilum Pfr.

T. perforata, turbinata, tenuiuscula, oblique striata, virenti-lutea, flammis albidis et lineis spiralibus nigricantibus ornata; spira turbinata, apice acutiuscula, nigricans; anfr. 5 convexi, sensim accrescentes, ultimus peripheria rotundatus, basi planiusculus, circa perforationem punctiformem excavatus; apertura parum obliqua, subcircularis; perist. simplex, rectum, marginibus approximatis. — Operc. corneum. — Diam. maj. 8,

min. $6^2/_3$, alt. 6 mill. Ap. $4^1/_2$ mill. longa, $4^1/_4$ lata. (Mus. Cuming.)

Cyclostoma poecilum (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1854. p. 302.

Habitat in insula Ceylon (Thwaites).

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42. **halophilum Bens.** (Coll. 112. — *Ch.* ed. nov. p. 241. t. 31. f. 29—31. — *Gray* Phan. p. 83. — *Ad.* Gen. p. 281.) . . . . Mon. p. 118.

43. **L. orophilum Benson.**

T. perforata, conica, tenuiuscula, oblique striata, sub epidermide olivacea albida, rufulo flammulata; spira conica, apice acuta, nigricans; anfr. 5 convexi, sensim accrescentes, ultimus rotundatus, liris 6—9 filiformibus, obsoletiusculis cinctus; apertura obliqua, subcircularis, intus coerulescenti-margaritacea; perist. tenue, rectum, marginibus subinterruptis, columellari reflexiusculo. — Operc. corneum. — Diam. maj. 9, min. 8, alt. 8 mill. Ap. diam. 5 mill. (Mus. Cuming.)

Cyclostoma orophilum Bens. in Ann. and Mag. 2d. ser. XI. p. 106.

Leptopoma orophilum Pfr. in Malak. Bl. 1854. p. 87.

Habitat ad Monahagalla vicum montanum interiorem insulae Ceylon, teste E. J. Layard (Bens.); Thwaites in Mus. Cuming.

44. **L. conulus Pfr.**

T. anguste umbilicata, conica, tenuis, epidermide corneo-fulva, distanter membranaceo-costulata induta; spira regulariter conica, apice obtusiuscula; anfr. 5 sensim accrescentes, subangulato-convexi, ultimus liris sub-6 distinctis filiformibus cinctus; apertura parum obliqua, subangulato-circularis; perist. simplex, acutum, vix expansiusculum, marginibus subdisjunctis, columellari reflexiusculo. — Operc.? — Diam. maj. 4, min. $3^2/_3$, alt. $3^1/_2$ mill. Ap. vix 2 mill. longa. (Mus. Cuming.)

Cyclostoma conulus (Leptopoma) *Pfr.* in Proc. Zool. Soc. 1854. p. 127.

Habitat in insula Ceylon (Thwaites).

IX. Dermatocera H. et A. Adams.

Operculum et testa Leptopomatis. — Animal cornu conico, epidermali in parte posteriore pedis munitum.

Dermatocera (genus Cyclophorinarum) *H.* et *A. Adams* Gen. rec. Moll. II. p. 282.
Cyclostomatis spec. *Sow.*, *Eyd.*, *Lesson.*
Leptopomatis spec. *Pfr.*, *Gray.*

1. **vitrea Less.** (Coll. 113. — *Ad.* Gen. p. 282. t. 85. f. 7. — *Cyclost. vitrea Less.* — *Cyclost. lutea Quoy.* — *Cyclost. nitidum Sow.* — *Leptopoma vitreum Pfr.* Mon. n. 1. — *Gray* Phan. p. 72. — *Cyclophorus vitreus* [Leptopoma] *Mörch* Yold. p. 42. n. 838.) . . . . Mon. p. 101.

2. **D. maculosa Souleyet.** †

„C. testa orbiculato-conica, umbilicata, carinata, tenui, levi, pellucida, albida, lituris fulvis creberrimis et maculis castaneis remotis ornata; spira conico-acuta; anfractibus senis, convexis, superioribus laevigatis; ultimo ventricoso, ad peripheriam carinato, supra spiraliter striato; apertura subcirculari; peristomate reflexo, albo, superne interrupto, ad umbilicum compresso; umbilico mediocri, profundo. — Operc. corneum, tenue, multispiratum. — Lat. 14, alt. 11 mill.“ (Soul.)

Cyclostoma maculosa Soul. Revue zool. 1842. p. 101.
— *maculosum Soul.* Voy. Bonite. Zool. II. p. 539. t. 30. f. 38—41.
Cyclotus . . . ? *M. E. Gray* Fig. Moll. Anim. t. 303. f. 7. (ex Soul.)
Dermatocera maculosa H. et *A. Adams* Gen. rec. Moll. II. p. 282.

Habitat Luzon.

Obs. Nonnulla forsan *Leptopomati immaculato* ascripta synonyma huc pertinent.

Subfam. III. Pupinea.

Operculum corneum, tenuiusculum, arctispirum, nucleo centrali. Testa subpupaeformis, saepe irregularis.

Pupininae H. et *A. Adams* Gen. rec. Moll. II. p. 284.

X. Megalomastoma Guilding.

Pfr. Mon. Pneum. p. 123. — *Gray* Cat. Phan. p. 87: genus Cyclophorinorum. — *Poey* Memor. I. p. 400. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 284. — *Pfr.* in Malak.

Bl. 1856. p. 120. — *Megaloma Woodw.* Man. Moll. II. p. 177: subgenus Cyclophori. — *Lomastoma Woodw.* ib. in Errat.

Species hucusque cognitae sequente modo distribui possunt.

A. Abnormes, apertura ovali . . . . §. 1. Nr. 1—3.

B. Normales, apertura subcirculari.

a. Peristomate incrassato. (*Farcimen Trosch.*) . . . . §. 2. Nr. 4—20.

b. Peristomate subtenui, plerumque duplicato. (*Megalomastoma Guild.*) . §. 3. Nr. 21—30.

§. 1.

(*Hainesia Pfr.* in Malak. Bl. III. 1856. p. 120. — An genus distinctum?)

1. M. Myersi Haines.

T. anguste umbilicata, compresse pupaeformis, solidula, sublaevigata, carneo-fusca; spira subinflato-conica, apice obtusula; sutura levis, pallida; anfr. 6, primi convexiusculi, ultimus oblique descendens, latere aperturae planulatus, antice sulcis spiralibus irregulariter notatus, basi non compressus; apertura verticalis, angulato-ovalis; perist. continuum, incrassatum, superne subhorizontaliter adnatum, ad insertionem marginis dextri reflexi angulatum, margine sinistro duplicato, dilatato, lateraliter producto. — Operc.? — Long. 39, diam. 19 mill. Ap. c. perist. 17 mill. longa, 15 lata. (Mus. Cuming.)

Cyclostoma Myersii Haines in Ann. Lyc. N.York. VI. 5. 1855. p. 157. t. 5. f. 9—11.

Megalomastoma Myersi Pfr. Novit. conch. I. p. 67. n. 111. t. 19. f. 1. 2.

Habitat in regno Siamensi.

Obs. Conf. *Megal. gravidum Bens.*

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2. **croceum Sow.** (*Gray* Phan. p. 88. — *Ad.* Gen. p. 284. — *Cyclostoma Gooldianum Petit.*) . . . Mon. p. 125.

3. **bifasciatum Sow.** (*Ch.* ed. nov. p. 264. t. 36. f. 3. 4. — *Gray* Phan. p. 88. — *Ad.* Gen. p. 284.) - - 126.

§. 2.

4. M. gravidum Benson.

T. perforata, pupaeformis, distorta, solida, laeviuscula, vix striatula, fusco-albida; spira distorto-ovata, apice conoideo-

obtuso; sutura impressa, marginata; anfr. 6 convexi, penultimus elongatus, supra aperturam planatus, dorso gibbus, ultimus angustior, antice subito ascendens; apertura leviter sursum spectans, circularis, fauce fusca; perist. albidum, incrassatum, superne angulatum, expansum et reflexiusculum, intus late sulcatum, tum calloso-marginatum, callo interiore dextrorsum superne angulato-sinuato, sutura canalis obsoleti ad angulum anticum raro apparente. — Operc.? — Long. 35, diam. anfr. penult. 20 mill. Ap. diam. (excluso perist.) 11 mill. (Coll. Benson.)

Megalostoma gravidum Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 229.
— — *Pfr.* Novit. conch. I. n. 214. t. 35. f. 1. 2.

β. Minor, rufo-carnea, anfr. $5^1/_2$; long. 27, diam. $14^1/_2$ mill. (*Pfr.* l. c. f. 3. 4.)

Habitat ad Moulmein imperii Birmani (W. Theobald).

Obs. Characteribus nonnullis ad *Rhaphaulum chrysallidem Pfr.* accedere videtur, sed in specimine minore canalis suturalis vestigium nullum adest.

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5. **M. complanatum Pfr.**

T. subobtecte umbilicata, pupaeformis, solida, oblique levissime striatula, sordide violacea, absque epidermide; spira subcylindrica, apice attenuata, breviter truncata; sutura impressa, pallida; anfr. superst. 5, superi convexi, penultimus vix convexiusculus, ultimus angustior, latere aperturae subplanatus, antice pallidus, circa umbilicum crista pallida, circumscripta munitus; apertura verticalis, circularis, in fundo castanea; perist. album, perincrassatum, superne breviter adnatum, margine dextro expanso et reflexo, sinistro dilatato, patente, superne subauriculato. — Long. $32^1/_2$, diam. 14 mill. Ap. intus 8 mill. diam. (Mus. Cuming.)

Megalomastoma complanatum Pfr. in Proc. Zool. Soc. 1856. p. 36.
— — *Pfr.* Novit. conch. I. p. 67. n. 112. t. 19. f. 3. 4.
— — *Pfr.* in Malak. Bl. 1856. p. 120.

Habitat in insula Cuba.

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6. **bituberculatum Sow.** (Coll. 113. — *Ch.* ed. nov. p. 264. t. 36. f. 5. 6. — *Gray* Phan. p. 89. — *Poey* Memor. I. p. 403. — *Ad.* Gen. p. 284. — *Pfr.* in Malak. Bl. 1856. p. 121. 1857. p. 113. — *Cyclost. tortum var. Poey* Memor. I. t. 13. f. 1—7.) Mon. p. 127.

7. **M. procer Poey.**

T. perforata, oblonga, pupaeformis, solida, arcuatim striata, fulvo-violacea, epidermide nitidula omnino vestita; spira inflata, sursum conica, integra aut vix truncatula; anfr. 7—8, superi convexi, penultimus planior, ultimus angustior, basi obsolete compressus; apertura subcircularis, basi axin paululum excedens; perist. continuum, ad anfractum penultimum angustissimum, breviter adnatum, caeterum valde incrassatum, albidum, expansum et subreflexum, margine sinistro subauriculato. — Long. 33—34, diam. 14—15 mill. Ap. intus 8 mill. diam. (Coll. Nr. 115.)

Megalomastoma procer Poey Memor. I. p. 393. 404.
— — *Pfr.* Novit. conch. I. p. 69. n. 115. t. 19. f. 9. 10.
— — *Pfr.* in Malak. Bl. III. 1856. p. 121.
Cyclostoma tortum var. Poey Memor. I. t. 13. f. 12—18.

Habitat in Isla de Pinos prope Cubam (Gundlach).

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8. **ventricosum Orb.** (Coll. 116. — *Gray* Phan. p. 90. — *Poey* Memor. I. p. 403. — *Ad.* Gen. p. 285. — *Pfr.* in Malak. Bl. 1856. p. 121. — *Cyclost. ventricosa Orb.*, *Chenu* Ill. conch. t. 1. f. 15. — *Chenu* Leç. élém. p. 245. f. 915. — Hab. in monte Guajaibon: Gundlach.) . . . . Mon. p. 128.
9. **alutaceum Menke.** (Coll. 117. — *Gray* Phan. p. 90. — *Poey* Memor. I. p. 406. — *Ad.* Gen. p. 284. — *Pfr.* in Malak Bl. 1856. p. 121. 1857. p. 114. Hab. circa Trinidad ins. Cubae: Gundlach.) . - - 129.

10. **M. digitale Gundlach.**

T. perforata, pupaeformis, solida, subrugulosa et impresse punctata, nuda; spira integra vel truncatula, superne rubella vel albida; anfr. 6—7 turgiduli, ultimus violaceus, angustior, basi vix compressiusculus; apertura verticalis, ovali-rotundata, fundo castanea; perist. liberum, incrassatum, reflexiusculum, superne noduloso-productum, ad anfr. contiguum late excisum. — Operc. pallide fulvum. — Long. 20, diam. $9^1/_2$ mill. Ap. intus $5^1/_3$ mill. longa. (Coll. Nr. 118.)

Megalomastoma digitale Gundl. in Malak. Bl. IV. 1857. p. 114.

Habitat in montibus prope Trinidad insulae Cubae.

Obs. Differt a *M. alutaceo* statura constanter minore, anfractibus convexioribus, ultimo basi vix compressiusculo, colore animalis, etc.

11. **Mani Poey.** (Coll. 119. — *Gray* Phan. p. 89. — *Poey* Memor. I. p. 404. — *Ad.* Gen. p. 285. — *Pfr.* in Malak. Bl. 1856. p. 121. — *Cyclost. Mani Poey* Memor. I. t. 13. f. 23. 24. — *Ch.* ed. nov. p. 364. t. 47. f. 29—31.) . . . . Mon. p. 128.

12. **M. Gundlachi Pfr.**

T. subumbilicata, oblongo-ovata, solida, ad suturam striata, sub epidermide tenuissima fulvida alba; spira convexo-conica, integra vel brevissime truncata; sutura levis; anfr. 7 rapide accrescentes, superi convexi, penultimus planior, ultimus attenuatus, antice pallide violaceus, juxta umbilicum non pervium obsolete compressus; apertura verticalis, circularis, intus aurantiaco-fusca; perist. continuum, incrassatum et breviter reflexum, superne subangulatum, ad anfr. contiguum angustum, latere sinistro dilatatum, patens. — Operc. normale. — Long. 28, diam. 12 mill. Ap. 6 mill. diam. (Coll. Nr. 120.)

Megalomastoma Gundlachi Pfr. in Malak. Bl. III. 1856. p. 48. 121.
— — *Pfr.* Novit. conch. I. p. 96. n. 164. t. 26. f. 20—22.
Cyclostoma tortum var. Poey Memor. I. t. 13. f. 19. 20.

Habitat Cusco et Rangel in parte occidentali insulae Cubae (Gundlach).

13. **M. leoninum Pfr.**

T. subumbilicata, ovato-oblonga, solida, arcuatim distincte plicato-striata, epidermide tenui, fulva vel rubicunda omnino vestita; spira convexo-conica, integra vel brevissime truncata; sutura subcrenulata; anfr. 7 convexi, ultimus attenuatus, rotundatus; apertura parvula, verticalis, circularis, intus pallida; perist. continuum, incrassatum, duplicatum: externum concentrice striatum, marginibus supero et sinistro dilatato-patentibus. — Operc. normale. — Long. 26, diam. 11 mill. Ap. $5^1/_2$ mill. diam. (Coll. Nr. 121.)

Megalomastoma leoninum Pfr. in Malak. Bl. 1856. p. 48.
— — *Pfr.* Novit. Conch. I. p. 67. n. 165. t. 26. f. 23—25.
— — *Pfr.* in Malak. Bl. III. 1856. p. 122.

Habitat Rangel insulae Cubae.

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14. **auriculatum Orb.** (Coll. 122. — *Gray* Phan. p. 91. — *Ad.* Gen. p. 284. — *Pfr.* in Mal. Bl.

1856. p. 122. — *Ch.* ed. nov. t. 17. f. 12. 13. 16. 17 — Var. auricula canaliculata: *Cycl. solenatum Poey* Memor. I. t. 7. f. 17. 18.) . . . . Mon. p. 129.

15. **M. apertum Poey.**

T. umbilicata, conico-ovata, solida, subtiliter striata, nuda, violacea, sursum ochracea vel rubicunda; spira integra, in conum brevem terminata; anfr. 7 modice convexi, ultimus juxta umbilicum subcompressus; apertura verticalis, subcircularis, intus fusca; perist. continuum, incrassatum, reflexiusculum, breviter adnatum, margine sinistro dilatato, patente. — Long. 24—25, diam. 10—11 mill. Ap. diam. 6 mill. (Coll. Nr. 123.)

Megalomastoma apertum Poey Memor. I. p. 405.
— — *Pfr.* in Malak. Bl. III. 1856. p. 122.
Cyclostoma apertum Poey Memor. I. t. 7. f. 15. 16. Malel

Habitat in montibus „Camoa" partis occidentalis insulae Cubae (Gundlach).

16. **M. seminudum Poey.**

T. perforata, ovato-conica, solida, conferte striata, epidermide fulva superne induta, infra medium nuda, fulvo-violacea; spira integra vel subtruncata; anfr. 7 convexi, subirregulares, ultimus antice albescens, circa perforationem subcompressus; apertura subverticalis, circularis, fundo fulva; perist. album, incrassato-reflexum, ad anfractum contiguum excisum, margine dextro leviter producto, sinistro latius auriculato, reflexo. — Operc. saturate fulvum. — Long. 22, diam. 10 mill. Ap. intus 6 mill. diam. (Coll. Nr. 124.)

Megalomastoma seminudum Poey Memor. I. p. 405.
— — *Pfr.* in Malak. Bl. III. 1856. p. 122. IV, 1857. p. 113.
Cyclostoma auriculatum var. Chemn. ed. nov. t. 17. f. 14. 15.

Habitat circa Trinidad insulaê Cubae (Lavallée), Guinía (Gundlach).

17. **tortum Wood.** (Coll. 125. — *Gray* Phan. p. 88. — *Poey* Memor. I. p. 401. — *Ad.* Gen. p. 285. — *Pfr.* Novit. conch. I. p. 68. n. 114. t. 19. f. 7. 8. — *Pfr.* in Mal. Bl. 1856. p. 122. — *Cyclost. torta Orb*, *Chenu* Ill. conch. t. 1. f. 16.) . . . Mon. p. 126.

18. **M. ungula Poey.**

T. perforata, fusiformi-cylindracea, solida, subruditer striatula, pallide carnea, absque epidermide; spira convexo-conica, apice integra, acutiuscula vel brevissime truncata; anfr. 7 convexiusculi, ultimus angustior, basi magis minusve distincte cristatus; apertura circularis, basi ultra axin producta; perist. continuum, superne angustum, breviter adnatum, deorsum incrassatum, quasi in unguem protractum, concentrice striatum. — Long. 30, diam. $13^1/_2$ mill. Ap. intus 7 mill. diam. (Coll. Nr. 126.)

Megalomastoma ungula Poey Memor. II. p. 5. 24. t. 3. f. 1—4.
— — *Pfr.* Novit. conch. I. p. 68. n. 113. t. 19. f. 5. 6.
— — *Pfr.* in Malak. Bl. III. 1856. p. 123.

Habitat in insula Cuba.

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19. **cylindraceum Chemn.** (Coll. 127. — *Gray* Phan. p. 87. — *Mörch* Yold. p. 42. n. 841. — *Ad.* Gen. p. 285. — *Cerion truncatum Bolt.* Mus. p. 90. n. 1171. Ed. alt. p. 64. — *Cyclost. flavula Lam.*, *Pot.* et *Mich.* Gal. I. p. 234. n. 3. — *Chenu* Ill. conch. t. 1. f. 17. — *Cyclost. crocea Desh.* — *Cycl. croceum Pet.*, *Shuttl.* Diagn. n. Moll. Nr. 7. p. 149.) Mon. p. 124.
20. **Orbignyi Pfr.** (Coll. 128. — Proc. 1851. p. 149. — *Ch.* ed. nov. p. 272. t. 37. f. 3. 4. — *Gray* Phan. p. 91. — *Ad.* Gen. p. 285.) . . . . . . - - 130.

§. 3.

21. **simulacrum Mor.** (*Ch.* ed. nov. p. 267. t. 36. f. 11. 12. — *Gray* Phan. p. 92. — *Ad.* Gen. p. 285. — *Cyclost. Copanense Sow.*) . . . . . Mon. p. 131.
22. **Guatemalense Pfr.** (Proc. 1851. p. 245. — *Ch.* ed. nov. p. 267. t. 36. f. 13. 14. — *Gray* Phan. p. 92. — *Ad.* Gen. p. 285.) . . . . - - 132.
23. **altum Sow.** (Coll. 129. — *Gray* Phan. p. 93. — *Mörch* Yold. p. 42. n. 843. — *Ad.* Gen. p. 284. t. 86. f. 1.) . . . . - - 132.

24. **M. sectilabrum Gould.**

T. perforata, turrita, solidula, sublaevigata, brunnea; spira elongato-conica, apice acuta; sutura mediocris, distincte marginata; anfr. 8 modice convexi, ultimus penultimo paulo angustior, antice non ascendens, basi rotundatus; apertura subangulato-circularis, basi axin testae subexcedens; perist. subduplicatum: internum ad angulum insertionis canalem levem

exhibens, externum patens, latere sinistro subdilatatum. — Operc.? — Long. 24½, diam. 10 mill. Ap. diam. 6 mill. (Mus. Benson.)

Cyclostoma sectilabrum Gould in Bost. Journ. 1844. p. 459. t. 24. f. 10.
— — *Chemn.* ed. nov. t. 24. f. 17. 18. Nec t. 47. f. 11. 12.
Megalomastoma sectilabre Bens. in Ann. and Mag. N. H. 2d. ser. XVIII. p. 254.
— — *H.* et *A. Adams* Gen. II. p. 288.

Habitat Yunglaw in fluvio Tenasserim imperii Birmani.

Obs. Species a me hucusque cum sequente confusa; differt a specie Borneensi canali labri dextri prope summum aperturae, testa solidiore, spira graciliore et longiore, sutura marginata, apertura multo minus obliqua, intus aurantiaco-fusca, peristomate albo. Conf. *Bens.* in Ann. and Mag. 2d. ser. XVII. p. 232 et descriptio Gouldiana in *Pfr.* Mon. Pneum. p. 133 adnot.*

25. M. Anostoma Benson.

„Testa perforata, turrita, tenui, exiliter striata, pallide castanea, apice acutiuscula albida; anfractibus septem convexis, ultimo antice breviter ascendente, basi rotundato; apertura ampla vix obliqua, leviter sursum spectante, subcirculari, fauce castanea, margine rufo; peristomate duplicato, tenui, interno continuo, subito expanso, externo plane dilatato, praecipue ad partem columellarem, vix reflexiusculo. — Operc. normale. — Axis 23, diam. anfr. penult. 10, diam. apert. extern. 9, alt. apert. 7½ mill.“ (Bens. — Coll. Nr. 130.)

Cyclostoma Anostoma Bens. in Ann. and Mag. 2d. ser. X. p. 269.
Megalomastoma Anostoma Pfr. in Malak. Bl. 1854. p. 89.
— *sectilabrum Pfr.* Mon. Pneum. p. 133. (phrasis).
— — *Chemn.* ed. nov. p. 377. t. 47. f. 11. 12.
— — *Gray* Cat. Phan. p. 93.

Habitat Labuan insulae Borneo.

Obs. Haec species praecedenti peraffinis est, sed characteribus supra allatis bene distincta. Specimina a me in Monographia nomine *M. sectilabri* descripta ad speciem Borneensem, a Benson distinctam, pertinent.

26. **funiculatum Bens.** (Coll. 131. — *Ch.* ed. nov. p. 240. t. 31. f. 27. 28. — *Gray* Phan. p. 94.) . Mon. p. 133.
27. **Guildingianum Pfr.** (*Ch.* ed. nov. p. 239. t. 31. f. 25. 26. — *Gray* Phan. p. 94. — *Ad.* Gen. p. 285.) - - 134.

28. **M. pauperculum Sowerby.**

T. subperforata, cylindraceo-turrita, solida, oblique striatula, parum nitida, virenti-fusca; spira convexo-turrita, apice acutiuscula; sutura profunda; anfr. $6^1/_2$ convexi, ultimus penultimum non superans, basi carina levissima, filiformi munitus; apertura subverticalis, basi subproducta, fere circularis, superne obsolete angulata; perist. album, subduplicatum, expansum, ad anfr. penultimum breviter adnatum, margine sinistro leviter arcuato. — Long. 17, diam. $7^1/_4$ mill. Ap. intus $5^1/_2$ mill. longa. (Mus. Benson.)

Megalomastoma pauperculum Sow., *Pfr.* Mon. Pneum. p. 134. n. 18.
— — *Gray* Cat. Phan. p. 94.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 285.
Cyclostoma pauperculum Chemn. ed. nov. p. 381. t. 49. f. 37. 38.

Habitat in Himalaya Sikkimensi.

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29. **Antillarum Sow.** (Coll. 132. — *Gray* Phan. p. 95. — *Mörch* Yold. p. 42. n. 842. — *Ad* Gen. p. 284. — *Cyclost. Antillarum Sow.*, *Bland* in Ad. Contr. to Conch. Nr. 11. p. 216: St. Thomas. — *Megalomastoma brunnea Guild.*, *M. E. Gray* Fig. Moll. Anim. t. 311. f. 15 ex Swains.) . . . Mon. p. 135.

30. **M. verruculosum Shuttleworth.**

T. subrimata, elongato-pupaeformis, solidula, sub epidermide corneo-fusca vel viridescente alba; spira subcylindrica, sursum sensim attenuata, apice conico-obtusa, saepe truncatula; anfr. 7 perconvexi, superi confertim costulati, costulis in anfractu penultimo et ultimo in verrucas creberrimas sensim solutis, ultimus penultimo vix angustior, basi pone carinam funiformem elevatam profunde sulcatus; apertura vix obliqua, circularis; perist. continuum, subduplicatum, breviter adnatum, carneum, incrassato-expansiusculum. — Operc. praecedentis. — Long. 16, diam. 5 mill. Ap. diam. $3^1/_2$ mill. (Coll. Nr. 133.)

Cyclostoma verruculosum (Megalomastoma) *Shuttl.* Diagn. n. Moll. Nr. 7. p. 150.

Hab. „Sierra de Luquillo" insulae Portorico (Blauner).

XI. Cataulus Pfr.

Pfr. Mon. Pneum. p. 136. — *Gray* Cat. Phan. p. 95: gen. Cyclophorinorum. — *Woodw.* Man. Moll. II. p. 177: subgenus Cyclophori. — *Tortulosa H.* et *A. Adams* Gen. rec. Moll. II. p. 285: gen. Pupininarum.

Species typicae omnes ex insula Ceylon allatae sunt, unica ex insulis Nicobaricis, characteribus aberrantibus praedita, ab illis separari potest.

A. Abnormes (*Tortulosa*, sect. Brachypodis, *Gray* in Proc. Zool. Soc. 1847. p. 177.) . . . . §. 1. Nr. 1.
B. Normales . . . . §. 2. Nr. 2—13.

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§. 1.

1. **tortuosus Chemn.** (*Gray* Phan. p. 95. — *Tortulosa tortuosa Ad.* Gen. p. 285. t. 86. f. 2.) . . Mon. p. 136.

§. 2.

2. **Templemani Pfr.** (Coll. 134. — Proc. 1852. p. 158. — *Ch.* ed. nov. p. 236. t. 31. f. 15. 16. — *Gray* Phan. p. 96. — *Tortulosa Templemani Ad.* Gen. p. 285.) . . . . Mon. p. 136.
3. **Layardi Gray.** (*Pfr.* in Proc. 1852. p. 160. t. 13. f. 6. — *Ch.* ed. nov. p. 236. t. 31. f. 17. 18. — *Gray* Phan. p. 96. — *Tortulosa Layardi Ad.* Gen. p. 285. — *Megalomastoma Layardi Gray* olim. — *Pupina Layardi Pfr.* olim.) . . . . - - 137.

4. **C. Cumingi Pfr.**

T. vix rimata, turrito-fusiformis, solidula, subgranulato-striata, daucino-fusca; spira convexo-turrita, apice acutiuscula; sutura submarginata; anfr. 8 vix convexiusculi, penultimus convexior, ultimus attenuatus, basi axin vix excedens; carina umbilicalis compressa, albida, angulatim patula; periomphalum mediocre, turgidum, distinctius striatum; apertura subcircularis; perist. album, continuum, incrassatum, fornicatim patens, superne anguste adnatum, caeterum dilatatum, basi longe productum, canali infundibuliformi perforatum. — Long. $20^2/_3$, diam. medio 7 mill. Ap. intus $4^1/_2$, c. perist. $7^1/_8$ mill. longa. (Mus. Cuming.)

Cataulus Cumingi Pfr. in Proc. Zool. Soc. 1856. p. 399.
— — *Pfr.* Novit. conch. I. p. 91. n. 155. t. 25. f. 16. 17.

Habitat in insula Ceylon (Thwaites).

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5. **Thwaitesi Pfr.** (Proc. 1852. p. 147. — *Ch.* ed. nov. p. 387. t. 49. f. 9. 10. — *Gray* Phan. p. 97. — *Tortulosa Thwaitesi Ad.* Gen. p. 285.) . . . Mon. p. 138.
6. **pyramidatus Pfr.** (Coll. 135. — Proc. 1852. p. 145. t. 13. f. 4. — *Ch.* ed. nov. p. 386. t. 48. f. 9—11. — *Gray* Phan. p. 86. — *Tortulosa pyramidata Ad.* Gen. p. 285. t. 86. f. 2a. 2b.) . . - - 137.

7. C. Austenianus Benson.

T. subperforata, ovato-pyramidata, solidula, oblique eleganter costulato-striata, sericea, diaphana, saturate rubro-castanea; spira turrita, apice acutiuscula; anfr. 8—8½ modice convexi, ultimus non attenuatus, antice subascendens; carina basalis compressa, prominens, subfuniculata, antice vix dilatata; periomphalum mediocre, fortius striatum; apertura subcircularis, basi axin leviter excedens; perist. saturate fusco-aurantiacum, incrassatum, duplex: internum continuum, breviter adnatum, externum fornicatim patens, reflexum, superne et ad columellam auriculato-dilatatum, canali basali aperto, intus vix strictiore, ad sinistram perforatum. — Operc. spiraliter laminatum, anfractus multos appressos reconditos exhibens, facie exteriore anfractus plures angustos mentiente. — Long. 28, diam. 11½—13½ mill. Ap. c. perist. 11, intus 7 mill. longa. (Coll. Nr. 136.)

Cataulus Austenianus Bens. in Ann. and Mag. 2d. ser. XII. p. 95.
— — *Pfr.* in Malak. Bl. 1854. p. 89.
Tortulosa Austeniana H. et *A. Adams* Gen. rec. Moll. II. p. 285.

Habitat ad Heneratgodde insulae Ceylon (E. L. Layard).

8. C. aureus Pfr.

T. breviter rimata, oblongo-pyramidalis, tenuiuscula, confertim striata, sericina, laete aurea; spira turrita, apice acutiuscula; sutura submarginata; anfr. 8 convexi, ultimus parum attenuatus, basi axin vix excedens; carina umbilicalis valida, compressa, antrorsum parum dilatata; periomphalum latum, antice costulatum; apertura circularis; perist. album, duplex: internum continuum, appressum, basi canali angusto interruptum, externum perincrassatum, fornicatim reflexum, basi productum, canali mediocri perforatum. — Operc. tenue, fusco-

luteum. — Long. 25, diam. 10 mill. Ap. 6 mill. longa. (Mus. Cuming.)

Cataulus aureus Pfr. in Proc. Zool. Soc. 1855. p. 188.

Habitat in insula Ceylon (Thwaites).

9. **C. haemastomus Pfr.**

T. breviter et profunde rimata, ovato-pyramidalis, tenuiuscula, conferte striatula, parum nitens, diaphana, citrina; spira convexiusculo-turrita, apice subacuta; sutura submarginata; anfr. 8 convexi, ultimus vix attenuatus, basi axin excedens; carina umbilicalis valida, compressa, antrorsum vix dilatata; periomphalum latum, costulato-striatum; apertura subcircularis; perist. fusco-sanguineum, simplex, ad anfractum contiguum angustatum, lateribus rectangule late patens et revolutum, basi subproductum, canali mediocri perforatum. — Operc. tenue, rufo-corneum. — Long. 27—28, diam. 11—12 mill. Ap. diam. fere 7 mill. (Coll. Nr. 137.)

Cataulus haemastomus Pfr. in Proc. Zool. Soc. Soc. 1856. p. 391.
— — *Pfr.* Novit. conch. I. n. 20. t. 32. f. 24. 25.

Habitat in insula Ceylon (Thwaites).

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10. **eurytrema Pfr.** (Proc. 1852. p 145. t. 13. f. 5. — *Ch.* ed. nov. p. 386. t. 48. f. 12. 13. — *Gray* Phan. p. 97. — *Tortulosa eurytrema Ad.* Gen. p. 285.) . . . . Mon. p. 138.

11. **C. decorus Benson.**

T. profunde et breviter arcuato-rimata, ovato-turrita, solida, capillaceo-striata, sericea, fusco-purpurea; spira elongata, apice obtusula; anfr. 8 convexiusculi, ultimus subattenuatus, carina concolore compressa, lente descendente, elevato-patente, antrorsum dilatata munitus; periomphalum convexum, radiato-costulatum; apertura circularis; perist. laete aurantiacum, incrassatum, expansum et reflexum, margine basali recedente, canali ovali, retrorsum in rimam angustam abeunte perforato. — Long. 22, diam. $8\frac{1}{2}$ mill. Ap. c. perist. $8\frac{2}{3}$ mill. longa, 7 lata. (Mus. Cuming.)

Cataulus decorus Bens in Ann and Mag. 2d. ser. XII. p. 96.
— — *Pfr.* in Malak. Bl. 1854. p. 90.
Tortulosa decora H. et *A. Adams* Gen. rec. Moll. II. p. 285.

Habitat ad Ratnapoora insulae Ceylon (E. L. Layard).

12. **C. duplicatus Pfr.**

T. subperforata, fusiformi-ovata, solida, striata striisque spiralibus obsolete decussata, virescenti-fusca, pallide nebulosa; spira curvilinearis, elongata, apice acutiuscula; sutura levis, marginata; anfr. $7^1/_2$ vix convexiusculi, ultimus attenuatus, antice subascendens; carina basalis compressa, antrorsum vix dilatata; apertura circularis, basi axin vix excedens; perist. aurantiacum, duplex: internum breviter porrectum, basi profunde incisum, externum rectangule patens, basi ad canalem angustum vix protractum. — Operc. norm. — Long. 18, diam. medio 7 mill. Ap. c. perist. $6^1/_3$ mill. longa, 5 lata. (Mus. Cuming.)

Cataulus duplicatus Pfr. in Proc. Zool. Soc. 1854. p. 303.

Habitat in insula Ceylon (Thwaites).

13. **C. marginatus Pfr.**

T. vix perforata, fusiformi-turrita, solida, subarcuatim costulato-striata, opaca, fusco-lilacea, strigis angulosis albidis marmorata; spira subcurvilinearis, turrita, apice obtusa; sutura levis, filomarginata; anfr. 8 planiusculi, ultimus vix attenuatus; carina basalis alba, compressa, antrorsum subdilatata; apertura verticalis, subovalis; perist. album, duplex: internum basi profunde incisum, externum patens, ad canalem mediocrem retractum. — Operc. norm. — Long. 16, diam. $5^1/_2$ mill. Ap. intus 4 mill. longa, $3^1/_2$ lata. (Mus. Cuming.)

Cataulus marginatus Pfr. in Proc. Zool. Soc. 1853. p. 52.

— — *Pfr.* in Malak. Bl. 1854. p. 90.

Tortulosa marginata H. et *A. Adams* Gen. rec. Moll. II. p. 285.

Habitat in insula Ceylon.

XII. Rhaphaulus Pfr.

Operculum tenuissimum, corneum, subangustispirum, extus concaviusculum. — Testa umbilicata, pupinaeformis; apertura circularis; perist. subduplex: internum continuum, externum dilatatum, ad insertionem marginis dextri canali aperto perforatum, canali suturali interno profunde in caverna spirae desinente, utrinque pervio.

Anaulus Pfr. in Proc. Zool. Soc. 1855. p. 105. Nec Ehrenb.
— *H.* et *A. Adams* Gen. rec. Moll. II. p. 286.
— *Benson* in Ann. and Mag. 2d. ser. XVII. p. 342.
Rhaphaulus Pfr. in Novit. conch. I. p. 75.

Nomen generi initio datum, monente Cl. Gaskoin (in litt.) mutandum fuit, cum genus Diatomacearum jam prius ab Ehrenbergio eodem nomine descriptum sit.

Species nunc notae sunt sequentes:

1. Rh. bombycinus Pfr.

T. impervie umbilicata, oblonga, tenuiuscula, confertim striata, serica, rubello-cornea; spira irregularis, inflata, in conum obtusulum desinens; anfr. 6 convexi, penultimus gibbus, latere aperturali subplanatus, ultimus attenuatus, ad suturam marginatus, antice ascendens; apertura circularis, basi axin subexcedens; perist. duplex: internum callosum, adnatum, externum late expansum, reflexiusculum, marginibus superne callo junctis: apertura canalis suturalis aperturae testae parallela. — Operc. luteo-corneum. — Long. 14, diam. $7^1/_3$ mill. Ap. intus fere 4 mill. diam. (Coll. Nr. 138.)

Anaulus bombycinus Pfr. in Proc. Zool. Soc. 1855. p. 105. t. 32. f. 10.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 286. t. 86. f. 3.
— — *Pfr.* Novit. conch. I. p. 62. n. 103. t. 17. f. 12. 13.
Rhaphaulus bombycinus Pfr. Novit. conch. I. p. 75.

β. Minor, anfr. $5^1/_2$, penultimo magis turgido; long. 10, diam. vix 6 mill.

Habitat Sarawak, Borneo.

2. Rh. Lorraini Pfr.

T. perforata, gibboso-oblonga, solida, conferte striata, sub epidermide fulvida saturate violacea; spira irregularis, inflata, in conum brevem desinens; anfr. 5 convexi, penultimus gibbus, latere aperturae subplanatus, ultimus attenuatus, antice subascendens; apertura circularis, basi axin subexcedens; perist. callosum, album, continuum, expansum et reflexiusculum, limbo interiore cum exteriore connato; foramen superum parvulum, oblique sursum spectans. — Operc.? — Long. 15, diam. 8 mill. Ap. intus $4^1/_3$ mill. diam. (Mus. Cuming.)

Anaulus Lorraini Pfr. in Proc. Zool. Soc. 1856. p. 36. (Conf. *Bens.* in Ann. and Mag. 2d. ser. XVII. p. 342.)
Raphaulus Lorraini Pfr. Novit. conch. I. p. 75. n. 126. t. 20. f. 21. 22.

Habitat Pulo Penang (Dr. Lorrain).

3. **chrysallis Pfr.** (*Pfr.* in Novit. conch. I. p. 75. — *Bens.* in Ann. and Mag. 2d. ser. XVIII. p. 254. — *Cyclost. chrysallis Pfr.* Proc. 1852. p. 158. — *Ch.* ed. nov. p. 239. t. 31. f. 23. 24. — *Megalomast. chrysallis Pfr.* Mon. Pneum. n. 11. — *Gray* Phan. p. 92. — *Ad.* Gen. p. 284. — *Anaulus chrysallis Bens.* in Ann. and Mag. 2d. ser. XVII. p. 342. — Specimen perfectum, prope Maulmain imperii Birmani lectum colore castaneo, tuboque elongato suturali praeditum est, teste Cl. Benson l. c.) . . . Mon. p. 131.

XIII. Streptaulus Benson.

Testa umbilicata pupiniformis, nitens; peristoma circulare, non continuum, superne tubulo suturali interno et externo, continuo, ad extremitates ambas aperto, siphonem mentiente, perforatum. — Operc.?

Streptaulus Bens. in Ann. and Mag. N. H. 2d. ser. XIX. 1857.

Genus inter Rhaphaulum et Alycaeum quasi intermedium, textura et colore priori similius et strictura characteristica alterius omnino carens. *)

1. **Str. Blanfordi Benson.**

T. umbilicata, oblonga, polita, regulariter oblique striata, striis prope suturam submarginatam fortioribus, lineis nonnullis spiralibus decussatis, fusco-cornea, translucens; spira convexo-conica, apice obtusiuscula; anfr. 5 convexiusculi, penultimus ventricosior; umbilicus angustus, impervius; apertura magna, subcircularis; perist. simplex, reflexum, subrevolutum, marginibus callo parietali tenui junctis; tubuli suturalis pars externa longa, pone junctionem labri breviter arcuatim elevata, suturam subtus exhibens. — Long. $7^1/_2$, diam. 5 mill. Long. apert. (peristomate incluso) 4 mill. (Mus. Benson.)

Streptaulus Blanfordi Bens. in Ann. and Mag. N.H. 2d. ser. XIX.
— — *Pfr.* Novit. conch. I. n. 230. t. 37. f. 1—3.

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*) In *Streptaulus* the tube is first internal, and on arriving at the aperture is suddenly reflexed, and instead of forming an opening in the lip above the aperture as in *Rhaphaulus bombycinus*, or ending in a short upright tube as in *R. Lorraini* or *Chrysallis Pfr.*, it decribes a short arch behind the lip, and then runs to some distance along the external suture, as in *Alycaeus.* (Bens. l. c.)

Habitat prope Darjiling, in montibus Himalayanis Sikkimensibus (H. Blanford).

XIV. Pupinella Gray.

Pfr. Mon. Pneum. p. 139. — *Gray* Cat. Phan. p. 98: gen. Cyclophorinorum. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 286: genus Pupininarum.

Species unica:

1. **pupiniformis Sow.** (Coll. 139. — *Gray* Phan. p. 98. — *Ad.* Gen. p. 286. t. 86. f. 4. — *Pupina Sowerbyi Pfr.* olim.) . . . . Mon. p. 139.

Obs. Species Pupinae §. 1 Monographiae formantes, a Cl. fratribus Adams huc relatae, loco canalis columellaris a genere, ut a Cl. Gray propositum est, discrepant.

XV. Pupina Vignard.

Pfr. Mon. Pneum. p. 139. — *Buccini* sectio *Desh.* in Encycl. méth. II. p. 406. — *Gray* Cat. Phan. p. 98: genus Cyclophorinorum. — *Woodw.* Man. Moll. II. p. 177: genus Cyclostomidarum. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 288: genus Pupininarum.

A. Callo nitide destitutae . . . . . §. 1. Nr. 1—4.
B. Callo nitido obductae . . . . §. 2. Nr. 5—14.

§. 1.

1. **grandis Forb.** (*Pupina Forbesi Pfr.* Mon. Pneum. n. 1. — *Ch.* ed. nov. p. 238. n. 14. t. 31. f. 19. 20. — *Gray* Phan. p. 99. — *Pupinella grandis Ad.* Gen. 286. t. 86. f. 4a. 4b. Operc.) . . . . Mon. p. 140.

2. **P. Moulinsiana Fischer et Bernardi.**

T. anguste perforata, oblongo-ovata, solida, striata, vix nitidula, cereo-albida; spira subinflata, in conum acutiusculum

terminata; anfr. 7, superi convexi, penultimus angustior, latere aperturae valde planatus, ultimus costulis varie confluentibus sculptus, basi rotundatus, juxta perforationem arcuato-cristatus; apertura basi axin vix excedens, circularis; perist. callosum, nitidum, album, margine dextro et basali revolutis, dextro canali levi a parietali separato, sinistro medio canali aperto, extus dilatato, perforato. — Operc.? — Long. $18^1/_2$, diam. 9 mill. Ap. intus $4^1/_2$ mill. diam. (Coll. Bernardi.)

Pupina Moulinsiana Fisch. et *Bern.* Journ. Conch. V. 3. (Jan. 1857.) p. 299. t. 9. f. 6. 7.

Habitat in Nova Caledonia.

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3. **humilis Jacq.** (*Hombr.* et *Jacq.* Voy. Pol Sud. Zool. V. p. 42. — *Gray* Phan. p. 99. — *Pupina antiquata Sow* — *Pupinella humilis Ad.* Gen. p. 286.) . . . . Mon. p. 140.
4. **Mindorensis A. Ad. et Reeve.** (Coll. 140. — *Ch.* ed. nov. p. 237. n. 13. t. 31. f. 21. 22. — *Gray* Phan. p. 99. — *Pupinella Mindorensis Ad.* Gen. p. 286.) . . . . - - 141.

§. 2.

5. P. superba Pfr.

T. ovato-conica, tenuis, glaberrima, nitidissima, aurantiaco-fusca; spira convexo-conica, acutiuscula; sutura levis, submarginata; anfr. 6 convexiusculi, ultimus latere aperturae planulatus, antice breviter ascendens, basi axin paululum excedens; apertura subcircularis, bicanaliculata; lamella parietalis arcuata, latere dextro canalem latum cum peristomate formans, sinistro angulatim supra linguam latam columellarem prominens; perist. obtusum, latere dextro subrepando, sinistro ad canalem ascendentem subincrassato. — Operc.? — Long. 15, diam. $12^1/_2$ mill. Ap. $4^1/_2$ mill. longa. (Mus. Cuming.)

Pupina superba Pfr. in Proc. Zool. Soc. 1855. p. 118.

Habitat in insula Sumatra (Ida Pfeiffer).

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6. **bilinguis Pfr.** (Coll. 141. — *Gray* Phan. p. 100. — *Ad.* Gen. p. 289.) . . . . Mon. p. 142.

7. P. imbricifera Benson.

T. imperforata, ventricose ovato-acuta, politissima, fuscescens, pellucida; spira conica, apice acutiuscula; sutura leviter

impressa; anfr. $6^1/_2$ convexiusculi, ultimus dorso spiram subaequans, ventricosior, antice subascendens; apertura circularis, bicanaliculata; perist. pallide carneum, duplex: internum obtusum, breviter porrectum, externum expansum, subreflexum, superne longe ascendens, margine parietali calloso linguam acutam, cum margine dextro conniventem, et callum verticalem validum, elongatum, arcuatim divergentem, cum processu labri exterioris canalem efformantem, exhibente, subtus cum basali exteriori canalem incisum, marginibus extus callosis, ascendentem, construente. — Operc. arcte spiratum, ut in *Cataulo Austeniano.* — Long. 10, diam. anfr. 5 mill. Ap. intus 3 mill. diam. (Mus. Benson.)

Pupina imbricifera Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 230. XIX.
— — *Pfr.* Novit. conch. I. n. 231. t. 37. f. 4—6.

Habitat in provincia Bengalensi orientali Sylhet; nec non Teria Ghât, montium Khasia dictorum portam (W. Theobald).

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8. **aurea Hinds.** (Coll. 142. — *Gray* Phan. p. 100. — *Ad.* Gen. p. 289.) . . . . Mon. p. 142.

9. **P. Arula Benson.**

T. imperforata, basi foveata, conoideo-ovata, longitudinaliter striatula, nitidissima, fusco-rubella; spira ovata, apice conoidea, acuta; sutura calloso-marginata; anfr. 6, ultimus dorso spiram subaequans, antice breviter ascendens; apertura subverticalis, circularis, angulo supero acuto ampliata; callus parietalis superne lamella intrante munitus; columella profunde incisa, canalem extus apparentem, lingua lata parietali obtectum, callisque duobus divergentibus marginatum, exhibens; perist. obtusum, expansiusculum, extus marginatum, margine dextro supra medium arcuato. — Operc.? — Long. 9, diam. 5 mill. Ap. diam. vix 3 mill. (Mus. Benson.)

Pupina Arula Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 230.
— — *Pfr.* Novit. conch. I. n. 232. t. 37. f. 7—9.

Habitat ad Yunglaw in valle Tenasserim imperii Birmani (W. Theobald).

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10. **Thomsoni Forb.** (Coll. 143. — *Gray* Phan. p. 101. — *Pupina Thompsoni Ad.* Gen. p. 289. — Operc. castaneum.) . . . . Mon. p. 142.
11. **bicanaliculata Sow.** (Coll. 144. — *Gray* Phan. p. 101. — *Ad.* Gen. p. 288. t. 86. f. 6.) . . . - - 143.

12. **Keraudreni Vign.** (Coll. 145. — *Gray* Phan. p. 101. — *Ad.* Gen. p. 289. — *Pupina mitis Hinds.*) - - 143.

13. **P. Strangei Pfr.**

T. pupaeformis, tenuissima, pellucida, nitidissima, pallide cornea; spira turgida, sursum conica, acutiuscula; sutura non callosa; anfr. $5^1/_2$ convexi, ultimus angustior, basi axin vix excedens; apertura subcircularis, bicanaliculata; callus parietalis subprominulus, utrinque in dentem parvulum acutum desinens, canalibus angustis obliquis a peristomate subincrassato, breviter reflexo, separatus. — Operc.? — Long. $5^1/_2$, diam. max. $2^3/_4$ mill. Ap. diam. $1^1/_2$ mill. (Mus. Cuming.)

Pupina Strangei Pfr. in Proc. Zool. Soc. 1854. (casu omissa?)
— — *Pfr.* in Malak. Bl. 1854. p. 90.

Habitat Moreton-Bay Australiae (Strange).

14. **P. artata Benson.**

T. imperforata, pupaeformis, ovato-acuminata, politissima, pellucida, fusco-cornea vel hyalina; spira ovato-conoidea, apice acutiuscula; sutura callosa, linearis; anfr. $5^1/_2$ convexiusculi, ultimus $^1/_3$ testae subaequans; apertura verticalis, circularis, bicanaliculata; perist. obtusiusculum, margine parietali superne linguam acutam, callo verticali elongato, cum margine dextro subparallelo, marginatam, exhibente, infra cum basali canalem incisum, ascendentem, extus calloso-marginatum efformante. — Operc. (teste Benson) testaceum, paucispirale, concaviusculum, sutura elevata. — Long. 7, diam. 4 mill. Ap. diam. $3^1/_4$ mill. (Mus. Benson.)

Pupina artata Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 230.
— — *Pfr.* Novit. conch. I. n. 233. t. 37. f. 10—12.

Habitat ad Mulmein imperii Birmani (W. Theobald).

Obs. Descriptio operculi valde abnormis!

XVI. Registoma Hasselt.

Pfr. Mon. Pneum. p. 144. — *Gray* Cat. Phan. p. 102: Cyclophorinorum. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 289: genus Pupininarum. — *Rhegostoma Agass.*, *Woodw.* Man. Moll. II. p. 177: subgenus Pupinae. — *Troschel* Gebiss der Schnecken p. 68: genus Cyclotaceorum.

Species:

1. **grande Gray.** (Coll. 146. — *Gray* Phan. p. 102. — *Ad.* Gen. p. 289. t. 86. f. 7. — *Pupina Nunezii Sow.* — *Pupina grandis* [Moulinsia] *Mörch* Yold. p. 42. n. 845. — *Rhegostoma grande Trosch.* Gebiss d. Schn. p. 68. t. 4. f. 7.) . . . . Mon. p. 145.
2. **pellucidum Sow.** (Coll. 147. — *Gray* Phan. p. 102. — *Ad.* Gen. p. 289.) . . . . - - 145.
3. **simile Sow.** (Coll. 148. — *Gray* Phan. p. 103. — *Ad.* Gen. p. 289.) . . . . - - 146.
4. **fuscum Gray.** (Coll. 149. — *Gray* Phan. p. 103. — *Ad.* Gen. p. 289. t. 86. f. 7a. 7b. operc. — *Pupina vitrea Sow.* — *Pupina fusca* [Registoma] *Mörch* Yold. p. 42. n. 844.) . . . . - - 146.

5. **R. Cumingianum Pfr.**

T. imperforata, oblonga, utrinque attenuata, solidula, glabra, nitida, rubello-succinea; spira elongata, apice acutiuscula; sutura levissima; anfr. 6 vix convexiusculi, 2 ultimi lati, ultimus oblique descendens; apertura verticalis, circularis; perist. callosum, expansiusculum, margine columellari brevi, non dilatato, incisura mediocri a basali separato. — Operc. subimmersum, fulvum. — Long. 8, diam. $3^{2}/_{3}$ mill. Ap. diam. $2^{1}/_{2}$ mill. (Coll. Nr. 150.)

Pupina Cumingiana (Registoma) *Pfr.* in Proc. Zool. Soc. 1853. p. 52.
Registoma Cumingianum Pfr. in Malak. Bl. 1854. p. 91.
— — *H.* et *A. Adams* Gen. rec. Moll. p. 289.

Habitat in insulis Salomonis; Lord Howe's Island Oceani australis (Macgillivray).

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6. **exiguum Sow.** (*Gray* Phan. p. 104. — *Ad.* Gen. p. 289.) . . . . Mon. p. 147.
7. **Nicobaricum Pfr.** (Proc. 1852. p. 145.— *Chemn.* ed. nov. p. 388. t. 48. f. 28—31. — *Gray* Phan. p. 104. — *Ad.* Gen. p. 289.) . . . . - - 289.

XVII. Callia Gray.

Pfr. Mon. Pneum. p. 148. — *Gray* Cat. Phan. p. 104: genus Cyclophorinorum. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 290: genus Pupininarum.

Species unica:

1. **lubrica Sow.** (Coll. 151. — *Gray* Phan. p. 105. — *Ad.* Gen. p. 290. t. 86. f. 8.) . . . . Mon. p. 148.

Subfam. IV. Licinea.

Operculum subcirculare, anfractibus paucis, sensim accrescentibus, nucleo subcentrali.

XVIII. Jamaicia C. B. Adams.

Pfr. Mon. Pneum. p. 149. — *Gray* Cat. Phan. p. 105. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 297: subgenus Choanopomatis.

Species:

1. **anomala C. B. Ad.** (Coll. 152. — *Gray* Phan. p. 105. — *Choanopoma anomalum* [Jamaicia] *Ad.* Gen. p. 297.) . . . . Mon. p. 149.
2. **Moussoniana C. B. Ad.** (Coll. 153. — *Gray* Phan. p. 106. — *Choanopoma Moussonianum* [Jamaicia] *Ad.* Gen. p. 297.) . . . . - - 150.

XIX. Licina Gray.

Pfr. Mon. Pneum. p. 150. — *Gray* Cat. Phan. p. 106. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 297: subgenus Choanopomatis.

Species:

1. **labeo Müll.** (*Gray* Phan. p. 106. — *Choanopoma labeo* [Licina] *Ad.* Gen. p. 297.) . . . . . . Mon p. 151.
2. **dubia Gm.** (*Gray* Phan. p. 107. — *Cyclostoma Borni Pfr.* in Proc. 1852. p. 63. — *Cyclost. dubium Pfr.* in Chemn. ed. nov. p. 321. t. 42. f. 1. 2. — *Turbo lincina Born.* — *Choanopoma lincina* [Licina] *Ad.* Gen. p. 297.) . . . . - - 152.
3. **evoluta Reeve.** (Coll. 154. — *Gray* Phan. p. 107 — *Cyclost. subasperum Sow.* — *Choanopoma evolutum* [Licina] *Ad.* Gen. p. 297.) . . . . - - 152.
4. **Reeveana Pfr.** (*Ch.* ed. nov. p. 330. t. 43. f. 4. 5. — *Gray* Phan. p. 208. — *Choanopoma Reevianum* [Licina] *Ad.* Gen. p. 297. — *Cyclost. decussatum Sow.*) . . . . - - 153.

XX. Choanopoma Pfr.

Pfr. Mon. Pneum. p. 154. — *Gray* Cat. Phan. p. 108. — *Woodw.* Mon. Moll. II. p. 176: subgenus Cyclostomatis. — *H.* et *A. Adams* Gen. II. p. 296: genus Cyclostominarum.

Species:

A. Oblongae vel ovato-conicae . . . §. 1. Nr. 1—8.
B. Globoso-conicae.
 1. Margine peristomatis undulato . §. 2. Nr. 9—17.
 2. Margine peristomatis plano . . §. 3. Nr. 18—20.
C. Depressae . . . . §. 4. Nr. 21—24.

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§. 1.

1. **majusculum Mor.** (Coll. 155. — *Gray* Phan. p. 108. — *Cyclost. majusculum Mor.* Test. noviss. II. p. 19. n. 129. — *Ch.* ed. nov. p. 263. t. 36. f. 1. 2. — *Poey* Memor. I. p. 96. 105. — *Pfr.* in Mal. Bl. 1856. p. 123. — *Cyclost. mactum Poey* Memor. I. t. 8. f. 6—12. — *Choanopoma mactum Ad.* Gen. p. 296. — Conf. *Pfr.* in Malak. Bl. 1854. p. 91.) . . . . Mon. p. 417.

Obs. Testa variat unicolor, luteo-carnea, vel fusco-violacea, saepe strigis rufis fulgurata vel taeniis interruptis elegantissime picta. Margo dexter peristomatis in individuis masculis solum repando-sinuatus est, in feminis simpliciter curvatus..

*

2. **decussatum Lam.** (Coll. 156. — *Gray* Phan. p. 109. — *Ad.* Gen. p. 296. — *Cyclost. decussatum Chenu* Ill. conch. t. 1. f. 6. — *Pfr.* in Ch. ed. nov. p. 288. t. 29. f. 10—13. — *Shuttl.* Diagn. n. Moll. Nr. 7. p. 150. — Hab. Portorico et Vieque.) Mon. p. 155.

3. **Ch. senticosum Shuttleworth.**

T. anguste subperforata, ovato-conica, truncatula, regulariter et argute clathrata et asperata, nitidula, luteo-rufescens, lineis flexuoso-angulosis, rufis eleganter notata, basi fasciis 1—2 angustis, rufis zonata; spira ovoideo-attenuata; sutura papillis albis crenulata; anfr. 5, inferiores celeriter accrescentes, parum convexi, ultimus antice breviter solutus; perist. duplex, album: internum vix porrectum, externum patens, ad anfr. penultimum truncatum, superne breviter auriculato-productum.

— Operc. tenue, cartilagineum, lamelloso-spiratum, lamellis exstantibus, interdum testaceo-incrassatis, nucleo subcentrali. — Long. $17^1/_2$, diam. 8 mill. Ap. fere 6 mill. longa, 5 lata. (Coll. Nr. 157.)

Cyclostoma senticosum (Choanopoma) *Shuttl.* Diagn. n. Moll. Nr. 7. p. 150.

Habitat prope Luquillo insulae Portorico, frequentius in insula Vieque (Blauner).

Obs. Differt a praecedente sculptura eximie asperata, incrementi ratione, etc.

4. **Ch. perplicatum Gundlach.**

T. vix subperforata, ovato-turrita, truncata, solida, liris fortibus circumdata et striis confertis filiformibus, illas transgredientibus sculpta, opaca, unicolor isabellina; spira subregulariter attenuata, late truncata; sutura profunda, fasciculato-crenata; anfr. superst. 4—$4^1/_2$ convexi, ultimus antice vix solutus; apertura verticalis, ovalis; perist. subduplex: internum continuum, adnatum, externum breviter expansum, superne angulatim productum, ad anfr. contiguum excisum. — Operc. norm. — Long. 11, diam. $5^1/_2$ mill. Ap. $3^1/_2$ mill. longa, 3 lata. (Coll. Nr. 158.)

Cyclostoma perplicatum Gundl. in Malak. Bl. IV. 1857. p. 177.

Habitat prope Cabo de Cruz insulae Cubae.

5. **Ch. Arangianum Gundlach.**

T. perforata, ovato-turrita, truncata, tenuis, liris subremotis et costulis confertis illas acute transgredientibus sculpta, haud nitens, fulvida, fusco variegata et seriatim maculata; spira regulariter attenuata, sublate truncata; sutura irregulariter et subremote crenata; anfr. superst. 4 convexi, ultimus latior, antice non solutus, basi distinctius liratus; apertura verticalis, fere circularis, superne obsolete angulata; perist. duplex: internum vix prominulum, externum subaequaliter patens, concentrice striatum, fusco-radiatum, latere sinistro undulatum, superne in auriculam mediocrem productum. — Operc. paucispirum, nucleo fere centrali, anfractibus lamina elevata munitis. — Long. 12, diam. $5^1/_2$ mill. Ap. 4 mill. longa. (Coll. Nr. 159.)

Cyclostoma Arangianum Gundl. in Malak. Bl. IV. 1857. p. 177.

Habitat Júcaro prope Cabo de Cruz insulae Cubae.

6. **sulculosum Fér.** (*Cyclostoma sulculosum Fér.*, *Ch.* ed. nov. p. 313. t. 41. f. 15. 17. — *Cyclostomus? sulculosus Pfr.* Mon. Pneum. n. 84. — *Gray* Phan. p. 169. — *Ad.* Gen. p. 291. — Operc. *Ch. decussati Lam.* — Hab. in insulis S. Bartholomaei et Vieque: Riise.) . . . . Mon. p. 242.
7. **granosum C. B. Ad.** (Coll. 160. – *Ch.* ed. nov. p. 354. t. 46. f. 10—12. — *Gray* Phan. p. 109. — *Ad.* Gen. p. 296.) . . . . - - 155.
8? **pudicum Orb.** (*Gray* Phan. p. 110. — *Ad.* Gen. p. 296.) . . . . - - 156.

§. 2.

9. **pulchrum Wood.** (*Gray* Phan. p. 111. — *Ad.* Gen. p. 296.) . . . . Mon. p. 157.
10. **Lincina Linn.** (Coll. 161. — *Gray* Phan. p. 111.) - - 158.
11. **fimbriatulum Sow.** (Coll. 162. — *Gray* Phan. p. 112. — *Ad.* Gen. p. 296. t. 86. f. 12c. — *Turbo Lincina Chemn.?* — *Helix Angaria Bolt.* Mus. p. 109. n. 1402. Ed. 2a p. 77? Ex ic. Chemnitziana.) - - 159.
12. **Chittyi C. B. Ad.** (Coll. 163. — *Ch.* ed. nov. p. 355. t. 46. f. 13. 14. — *Gray* Phan. p. 112. — *Ad.* Gen. p. 296. — *Trosch.* Gebiss d. Schn. p. 72. t. 4. f. 18—20.) . . . . - - 160.
13. **scabriculum Sow.** (Coll. 164. — *Ch.* ed. nov. p. 356. t. 46. f. 15. 16. — *Gray* Phan. p. 113. — *Ad.* Gen. 296. t. 86. f. 12. 12a. 12b. — *Trosch.* Gebiss d. Schn. p. 72. t. 4. f. 21. 22. — *Cistula scabricula Mörch* Yold. p. 40. n. 808. — *Cyclost. amabile C. B. Ad.*) . . . . - - 160.
14. **Hillianum C. B. Ad.** (Coll. 165. — *Gray* Phan. p. 113. — *Ad* Gen. p. 296. — *β. Cyclost. amandum C. B. Ad.* — *γ. Cycl. aculeosum C. B. Ad.*) . - - 161.
15. **spinulosum C. B. Ad.** (Coll. 166. — *Gray* Phan. p. 114. — *Ad.* Gen. p. 296.) . . . . . . - - 162.
16. **mite Pfr.** (Proc. 1852. p. 63. — *Ch.* ed. nov. p. 324. t. 42. f. 7. 8. — *Gray* Phan. p. 114. — *Ad.* Gen. p. 296.) . . . . - - 163.
17. **Pretrei Orb.** (Coll. 167. — *Gray* Phan. p. 115. — *Ad.* Gen. p. 296. — *Pfr.* in Mal. Bl. 1856. p. 123. — *Trosch.* Gebiss d. Schn. p. 72. t. 4. f. 23. — *Cyclost. Pretrei Orb.*, *Chenu* Leç. élém. p. 254. f. 916. — Operc. album, terminale, extus concaviusculum, lamella spirali alte elevata. — Hab. in monte Guajaibon prov. occidentalis Cubae: Gundlach.) . - - 163.

§. 3.

18. **interruptum Lam.** (Coll. 168. — *Gray* Phan. p. 115. — *Ad.* Gen. p 296. — *Cyclost. ambigua Deless.*, *Reeve*, *Chenu* Ill. conch. t. 1. f. 5.) . . Mon. p. 164.

19. **lima C. B. Ad.** (Coll. 169. — *Gray* Phan. p. 113. — *Ad.* Gen. p. 296.) . . . . Mon. p. 165.
20. **lincinellum Lam.** (Coll. 170. — *Gray* Phan. p. 116. — *Ad.* Gen. p. 296.) . . . . - - 165.

§. 4.

21? **alatum Pfr.** (Proc. 1851. p. 250. — *Ch.* ed. nov. p. 319. t. 41. f. 35-37. — *Gray* Phan. p. 117. — *Ad.* Gen. p. 296. — *Pfr.* in Mal. Bl. 1856. p. 124.) - - 166.
22? **solutum Rich.** (*Ch.* ed. nov. p. 295. t. 39. f. 8—10. — *Gray* Phan. p. 117. — *Ad.* Gen. p. 296.) - - 167.
23. **Adolfi Pfr.** (Coll. 171. — Proc. 1852. p. 142. — *Ch.* ed. nov. p. 371. t. 48. f. 5—8. — *Gray* Phan. p. 117. — *Ad.* Gen. p. 296.) . . . . - - 167.
24. **tentorium Pfr.** (Coll. 172. — *Ch.* ed. nov. p. 284. t. 38. f. 16—18. — *Gray* Phan. p. 118. — *Ad.* Gen. p. 296.) . . . . - - 168.

XXI. Ctenopoma Shuttleworth.

Operculum testaceum, subanguste spiratum, anfractibus oblique sulcatis, nucleo fere centrali. Testa aperte vel obtecte perforata, ovato- vel cylindraceo-turrita, truncata; apertura subcircularis; perist. expansum, plerumque duplicatum. (Conf. *Trosch.* Gebiss d. Schn. p. 74.)

Ctenopoma Shuttleworth in litt. 14. Sept. 1852.
— *Pfr.* in Malak. Bl. 1856. p. 58.

Genus testas structura, sculptura et habitu inter se persimiles, characteribus aperturae et umbilici facile distinguendas complectens, a Cl. Shuttleworth antea tamquam genus vel subgenus Cyclostomaceorum (10. Dec. 1852 sectio Cyclostomatis) pro *Cyclost. ruguloso*, *Rugeliano*, *Dominicensi*, *modesto* et *Wilkinsoni* propositum, cujus species nunc novi sequentes:

1 **bilabiatum Orb.** (Coll. 173. — *Pfr.* in Malak. Bl. 1856. p. 59. 124. — *Cyclostoma bilabiata Orb.* — *Cycl. Dorbignyanum Pet.* — *Choanopoma? bilabiatum Gray* Cat. Cycloph. p. 52. — *Cyclost. salebrosum Mor.*, *Pfr.* in Ch. ed. nov. p. 269. t. 36. f. 19—21. — *Cyclostomus salebrosus Pfr.* Mon. Pneum. p. 83. — *Gray* Phan. p. 168. — *Ad.* Gen. p. 291. — Nec *Cistula? bilabiata Pfr.* Mon. Pneum. p. 271 [descriptio] et *Ch.* ed. nov. p. 316. t. 43. f. 31. 32. — Hab Sierra de Organos provinciae occidentalis insulae Cubae: Gundlach.) . . . . . . Mon. p. 241.

2. **Ct. echinatum Gundlach.**

T. obtecte umbilicata, ovato-turrita, truncata, tenuiuscula, liris obtusis subremotis cincta et costis lamellaribus, dorso lirarum acute prominentibus echinata, albida, subfasciatim rufo-maculata; spira ovata, mediocriter truncata; sutura costis excurrentibus valide dentata; anfr. (integrae $5\frac{1}{2}$) superst. 4 convexi, ultimus non solutus, basi compresse pluricarinatus; apertura verticalis, subovalis; perist. dilatatum, patens, undulatum, regionem umbilicalem lamina lata adnata tegens. — Operc. testaceum, nucleo parum excentrico, anfractibus oblique confertim costatis. — Long. 10, diam. 5 mill. Ap. 3 mill. longa, $2\frac{1}{2}$ lata. (Coll. Nr. 174.)

Cyclostoma echinatum Gundl. in Malak. Bl. IV. 1857. p. 176.

Habitat Júcaro prope Cabo de Cruz insulae Cubae.

3. **Ct. sculptum Gundlach.**

T. subperforata, oblongo-turrita; truncata, solidula, liris confertis et striis confertioribus regulariter decussata, parum nitida, pallide fulvida, lineis rufis subinterruptis cincta; spira turrita, late truncata; sutura minute denticulata; anfr. superst. 4, ultimus antice vix solutus; apertura verticalis, ovalis; perist. duplex: internum breve, adnatum, externum aequaliter dilatatum, patens, superne nodulum reflexum, anfractum contiguum tangentem emittens. — Operc. praecedentis. — Long. $9\frac{1}{3}$, diam. 4 mill. Ap. $2\frac{3}{4}$ mill. longa, 2 lata. — Var. min. anfr. 4: long. $7\frac{1}{2}$, diam. $3\frac{1}{2}$ mill. (Coll. Nr. 175.)

Cyclostoma sculptum Gundl. in Malak. Bl. 1857. IV. p. 176.

Habitat Cabo de Cruz insulae Cubae.

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4. **rugulosum Pfr.** (Coll. 176. — *Pfr.* in Malak. Bl. 1856. p. 59. 125. — *Cyclostomus rugulosus Pfr.* Mon. Pneum. n. 19. — *Gray* Phan. p. 167. — *Ad.* Gen. p. 291. — *Ch.* ed. nov. p. 279. — *Trosch.* Gebiss d. Schn. p. 73 t. 4. f. 24. 25. — *Cyclost. nodulatum Poey* Memor. I. p. 104. 106. t. 5. f. 21 —23. — *Cyclost. clathratum Gould.* — *Cyclost. denegatum Poey* Memor. II. p. 5.*)?) . . . . Mon. p. 238.

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*) Testa subperforata, turrita, tenuis, apice truncata, costis transversis confertis rugulosa, interdum costis remotis obsoletis spiralibus decussata, cinerascenti-albida; anfr. 4 convexi, lente accrescentes, ad suturam canaliculatam denticulati, ultimus valde disjunctus, pone aperturam tuberculo

5. **Ct. immersum Gundlach.** †

„Quod attinet ad testam persimile *C. ruguloso Pfr.*, sed diversum operculi structura. — Operc. spira sensim ad nucleum immersa et sulco suturali amplo." (G.)

Cyclostoma immersum Gundl in Malak. Bl. IV. 1857. p. 42 et in *Poey* Memor. II. p. 39.

Habitat prope Matanzas insulae Cubae.

6. **Ct. deficiens Gundlach.**

T. subperforata, ovato-turrita, truncata, tenuiuscula, liris irregularibus cincta, plicis confertis, irregulariter fasciculatis, liras transgredientibus et suturam denticulatam formantibus lamellata, cinerascenti-albida; spira regulariter attenuata, late truncata; anfr. superst. $3^1/_2$ (amissis 4), convexi, ultimus basi scabrius liratus, antice disjunctus, pone aperturam nodulo striato cum penultimo junctus; apertura verticalis, ovali-rotundata; perist. duplex: internum parum prominens, externum concentrice striatum, irregulariter patens et undulatum, parte supera usque infra perforationem deficiente. — Operc. planum. — Long. 6—8, diam. 3—4 mill. Ap. $2^1/_2$ mill. longa. (Coll. Nr. 177)

Cyclostoma deficiens Gundl. in Malak. Bl. IV. 1857. p. 42 et in *Poey* Memor. II. p. 39.

Habitat prope Matanzas insulae Cubae.

7. **Ct. coronatum Poey.**

T. subobtecte perforata, oblongo-turrita, truncata, tenuiuscula, costulis confertis lamellaribus, ad suturam prominentioribus sculpta, diaphana, albida; anfr. superst. $3^1/_2$—4 convexi, ultimus antice subsolutus, nodulo reflexo cum penultimo junctus, *basi carinis 2 lamellosis munitus;* apertura subverticalis, fere circularis; perist. duplex: internum vix prominens, externum continuum, patens, concentrice striatum, *margine undulato-incisum.* — Operculum planum, terminale. — Long. 8, diam. 4 mill. Ap. diam. $2^1/_4$ mill. (Coll. Nr. 178.)

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striato cum anfr. contiguo junctus, basi spiraliter sulcatus; apertura verticalis, parva, oblique ovalis; peritr. duplicatum, internum rectum, externum strictum, vix patens. — Operc. testaceum, nucleo parum excentrico, anfr. 4 oblique sulcati, sutura profunda disjuncti. — Long. 10—11, diam. 5 mill. Ap. 3 mill. longa, 2 lata. — Hab. Matanzas, Cardenas etc. (Poey l. c.)

Cyclostoma coronatum Poey Memor. II. p. 5. 24. t. 1. f. 11. 12.
Ctenopoma coronatum Pfr. in Malak. Bl. 1856. p. 59. 126.
— — *Pfr.* Novit. conch. I. p. 96. n. 163. t. 26. f. 17—19.

Habitat in insula Cuba.

Obs. Species carinis 2 basalibus et peristomatis margine undulato-inciso bene distincta.

8. **Ct. honestum Poey.**

T. clause perforata, oblongo-turrita, truncata, solidula, conferte lamelloso-costata, liris spiralibus nonnullis obsoletis cincta, albida; sutura costis excurrentibus crispa; anfr. superst. 4 convexi, ultimus subsolutus, nodulo reflexo cum penultimo junctus; apertura subverticalis, ovali-rotundata; perist. subduplex: internum vix distinctum, externum patens, concentrice striatum, ad anfractum contiguum longe adnatum, *perforationem omnino claudens.* — Operc. praecedentis. — Long. 8½, diam. 4 mill. Ap. 2⅓ mill. longa. Coll. Nr. 179.)

Cyclostoma honestum Poey Memor. I. p. 103. t. 7. f. 1—4.
— *Rugelianum Shuttl.* in litt.
Cyclostomus honestus Pfr. in Malak. Bl. 1854. p. 94.
Ctenopoma honestum Pfr. in Malak. Bl. 1856 p. 60. 126.

Habitat in ripis fluvii Almendares, 3 mill. ab urbe Havana insulae Cubae (Poey).

Obs. Testa *Ct. ruguloso* persimilis, umbilico omnino clauso discrepans.

9. **Ct. torquatum Gutierrez.** †

„Testae forma et sculptura eadem est quae in *C. ruguloso* apparet. Apertura parva, peritr. duplex, internum parum prominens, externum vix conspicuum, nisi in parte postera anfractui contiguo adnata, quo late patet et plicam columellarem emittit ad umbilicum tegendum. — Operculum oblique striatum, vel plicis spiraliter munitum, spira horizontalis, nucleo concentrico, absque sulco suturali. — Long. 10½, diam. 5½ mill.“ (Poey.)

Cyclostoma torquatum Gutierrez mss.
— — *Poey* Memor. II. p. 34. t. 4. f. 2.

Habitat prope Cienfuegos in parte meridionali insulae Cubae.

10. **Ct. rotundatum Poey.**

T. subperforata, oblongo-turrita, truncata, *liris spiralibus* et costulis confertis, illas transgredientibus sculpta, albida;

sutura costularum fasciculis crenata; anfr. superst. 3—4 convexi, ultimus antice non solutus, *nec nodulatus;* apertura verticalis, circularis, ampla; perist. duplex: internum vix prominulum, externum breviter patens, concentrice striatum, superne longe adnatum, perforationem fere tegens. — Operc. *C. rugulosi.* — Long. 8, diam. $4^1/_2$ mill. Ap. diam. fere 3 mill. (Coll. Nr. 180.)

Cyclostoma rotundatum Poey Memor. I. p. 419. t. 34. f. 19—21.
Ctenopoma rotundatum Pfr. in Malak. Bl. 1856. p. 60. 126.

Habitat „Sierra de Organos" provinciae occidentalis Cubae (Gundlach).

Obs. Simile *Ct. ruguloso;* differt sculptura, nodulo in extremitate anfractus ultimi deficiente, etc.

11. **Ct. sordidum Gundlach.** †

„Testa obtecte umbilicata, ovato-oblonga, decollata, tenuis, plicis transversis confertis irregulariter lamellata, costulis spiralibus distantibus decussata, cinerascenti-albida; anfractus superstites $3^1/_2$ convexi, lente accrescentes, ad suturam canaliculatam denticulati, ultimus anfractui contiguo adnatus; apertura verticalis, circularis; peritrema duplicatum: internum rectum, acutum, postice prominens, ibique striis incrementi ornatum, externum undique aequaliter patens, laevigatum. — Operculum? — Long. trunc. $7^1/_2$—11, diam. $4^1/_2$—7 mill." (G.)

Cyclostoma sordidum Gundl. in Poey Memor. II. p. 14.
— — *Gundl.* in Malak. Bl. 1856. p. 39.
Ctenopoma sordidum Pfr. in Malak. Bl. 1856. p. 61. 126.

Habitat in monte prope San Diego de los Baños prov. occidentalis Cubae (Gundlach).

Obs. „Differt a *C. rotundato Poey* forma ovato-oblonga et peritremate distincto, ab *honesto Poey* absentia tuberculi pone aperturam nec non forma testae."

12. **Ct. Campbelli C. B. Adams.**

T. perforata, elongato-conica, tenuiuscula, plicis lamellaribus confertis, ad suturam acute excurrentibus sculpta, diaphana, fulvescenti-albida, seriebus macularum rufarum ornata; spira integra, acuta; anfr. $7^1/_2$ convexi, ultimus longe solutus, dorso angulatus et crenulatus; apertura obliqua, subcircularis; perist. subduplex: internum indistinctum, adnatum, externum superne productum, margine dextro et basali patentibus, sini-

stro exciso. — Operc. typicum. -- Long. 11, diam. 5 mill. Ap. 3 mill. diam. (Mus. Cuming.)

Cyclostoma Campbellii Adams Contrib. to Conch. Nr. 9. p. 154.
Cistula? Campbellii Pfr. Mon. Pneum. p. 274. n 27.
— — *Gray* Cat. Phan. p. 193.
— — *H.* et *A. Adams* Gen. II. p. 294.
Ctenopoma Campbelli Pfr. in Malak. Bl. III. 1856. p. 61.
β. Testa minore, anfr. 6; long. 8, diam. $3^3/_4$ mill.

Habitat in insula Jamaica.

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13. **Wilkinsoni C. B. Ad.** (Coll. 181. — *Pfr.* in Malak. Bl. 1856. p. 61. — *Cyclostomus Wilkinsoni Pfr.* Pneum. n. 80. — *Gray* Phan. p. 167. — *Ad.* Gen. p. 291. — *β. Cyclost. modestum C. B. Ad.*) Mon. p. 239.
14. **Dominicense Pfr.** (Coll. 182. — *Pfr.* in Malak. Bl. 1856. p. 61. — *Cyclost. Dominicense Ch.* ed. nov. p. 282. t. 38. f. 9, 10. — *Cyclostomus Dominicensis Pfr.* Pneum. n. 85. — *Gray* Phan. p. 169. — *Ad.* Gen. p. 291.) . . . . - - 242.
15. **pisum C. B. Ad.** (Coll. 183. — *Pfr.* in Malak. Bl. 1856. p. 61. — *Cyclost. pisum Ch.* ed. nov. p. 354. t 46. f. 7–9. — *Choanopoma pisum Pfr.* Pneum. n. 5. — *Gray* Phan. p. 110. — *Ad.* Gen. p. 296. — *Cyclost. virgineum C. B. Ad.*) . . . - - 156.

XXII. Adamsiella Pfr.

Pfr. Mon. Pneum. p. 168. — *Gray* Cat. Phan. p. 118. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 297: genus Cyclostominarum.

Conspectus specierum.

A. Pupaeformes:
 1. Anfractu ultimo antice non soluto.
  a. Sutura simplice . . . . . §. 1. Nr. 1—3.
  b. Sutura crenata . . . . . §. 2. Nr. 4—5.
 2. Anfractu ultimo antice soluto . §. 3. Nr. 6—9.
B. Oblongo-turritae . . . . §. 4. Nr. 10–14.

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§. 1.

1. **mirabilis Wood.** (Coll. 184. — *Gray* Phan. p. 118. — *Ad.* Gen. p. 297. t. 86. f. 13. — *Cyclost. decussatulum C. B. Ad.*) . . . . Mon. p. 168.

2. **miranda C. B. Ad.** (Coll. 185. — *Ch.* ed. nov. p. 331. t. 43. f. 8. 9. — *Gray* Phan. p. 119. — *Ad.* Gen. p. 298.) . . . . Mon. p. 169.
3. **pulchrior C. B. Ad.** (Coll. 186. — *Gray* Phan. p. 119. — *Ad.* Gen. p. 298. — *Cyclost. Binneyanum C. B. Ad.* olim.) . . . . - - 170.

§. 2.

4. **variabilis C. B. Ad.** (Coll. 187. — *Gray* Phan. p. 120. — *Mörch* Yold. p. 40. n. 814. — *Ad.* Gen. p. 298. — *Cyclost. articulatum Sow.* — *Cyclost. mutatum C. B. Ad.*) . . . . - - 171.
5. **Grayana Pfr.** (Coll. 188. — *Gray* Phan. p. 120. — *Mörch* Yold. p. 40. n. 815. — *Ad.* Gen. p. 297. t. 86. f. 13a. 13b. — *Cyclost. obscurum Gray* olim. — Varr.: *Cyclost. concentricum* et *serriferum C. B. Ad.*) . . . . - - 171.

§. 3.

6. **moribunda C. B. Ad.** (*Ch* ed. nov. p. 331. t. 43. f. 6. 7. — *Gray* Phan. p. 121. — *Ad.* Gen. p. 298.) . . . . - - 173.
7. **intermedia C. B. Ad.** (*Gray* Phan. p. 121. — *Ad.* Gen. p. 298.) . . . . - - 173.
8. **monstrosa C. B. Ad.** (Coll. 189. — *Ch.* ed. nov. p. 269. t. 36. f. 17. 18. — *Gray* Phan. p. 122. — *Ad.* Gen. p. 298.) . . . . - - 173.

9. **A. Pearmanaeana Chitty.**

T. pervie perforata, oblongo-turrita, truncata, tenuiuscula, liris spiralibus (saepe vix conspicuis) et costulis confertis acutiusculis clathrata, albida, rufo seriatim punctata; spira convexo-turrita; sutura profunda, minutissime crenulata; anfr. superst. $4^1/_2$ convexi, ultimus subteres, dorso vix angulatus, antice longe solutus, oblique descendens; apertura obliqua, circularis; perist. duplex: internum breviter porrectum, externum dilatatum, latere columellari subexcisum, praeterea rectangule patens, spiraliter substriatum, rufo-radiatum. — Operc.? — Long. max. 17, diam. anfr. penult. 8 mill. Ap. 4 mill. diam. (Coll. Nr. 190.)

Cyclostoma Pearmanaeanum Chitty Contrib. to Conch. Nr. 1. p. 2.
— *longicolle* (Adamsiella) *Pfr* in Proc. Zool. Soc. 1854. p. 128.

Habitat in insula Jamaica.

§. 4.

10. **xanthostoma Sow.** (Coll. 191. — *Gray* Phan. p. 122. — *Ad.* Gen. p. 298.) . . . . Mon. p. 174.
11. **pinguis Pfr.** (Proc. 1851. p. 248. — *Ch.* ed. nov. p. 315. t 41. f. 20. 21. — *Gray* Phan. p. 122. — *Ad.* Gen. p. 298.) . . . . - - 175.
12. **ignilabris C. B. Ad.** (Coll. 192. — *Ch.* ed. nov. p. 285. t. 38. f. 23. 24. — *Mörch* Yold. p. 40. n. 816. — *Gray* Phan. p. 123. — *Ad.* Gen. p. 298.) - - 175.
13. **chlorostoma Sow.** (Coll. 193. — *Gray* Phan. p. 123. — *Ad.* Gen. p. 298.) . . . . - - 176.

14. **A. cinnamomea Pfr.**

T. subperforata, oblongo-turrita, truncata, solida, liris obtusis spiralibus, costulisque confertis elevatis illas transgredientibus sculpta, opaca, cinnamomea; spira subregulariter attenuata, late truncata; anfr. superst. $4^1/_2$ modice convexi, ultimus non solutus, rotundatus; apertura verticalis, subangulato-ovalis; perist. undique breviter expansum. — Operc. norm. — Long. 10—11, diam. $4^3/_4$ mill. Ap. $3^1/_2$ mill. longa, 3 lata. (Coll. Nr. 194.)

Cyclostoma cinnamomeum (Adamsiella) *Pfr.* in Malak. Bl. III. 1856. p. 208.

Habitat . . . ?

Subfam. V. Cyclostomea.

Operculum testaceum, ovale vel angulatum, anfractibus paucis, magis minusve celeriter accrescentibus, nucleo excentrico. Testa forma maxime variabilis.

Cyclostominae H. et *A. Adams* Gen. rec. Moll. II. p. 290 exclusis generibus pluribus.

Cyclostomacea Trosch. Gebiss d. Schn. p. 68.

XXIII. Lithidion Gray.

Pfr. Mon. Pneum. p. 176. — *Gray* Cat. Phan. p. 124. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 292: subgenus Cyclostomi.

Species:

1. **sulcatum Gray.** (*Gray* Phan. p. 124. — *Cyclostomus sulcatus* [Lithidion] *Ad.* Gen. p. 292. — *Cyclost. lithidion Sow.*) . . . . Mon. p. 176.
2. **desciscens Pfr.** (Proc. 1851. p. 243. — *Ch.* ed. nov. p. 262. t. 35. f. 25. 26. — *Gray* Phan. p. 124. — *Cyclostomus desciscens* [Lithidion] *Ad.* Gen. p. 292.) . . . . - - 177.
3. **Souleyetianum Pet.** (Coll. 195. — *Ch.* ed. nov. p. 262. t. 35. f. 23. 24. — *Gray* Phan. p. 124. — *Cyclostomus Souleyetianus* [Lithidion] *Ad.* Gen. p. 292. — *Cyclostoma paradoxum Pfr.* olim.) . - - 177.
4. **depressum Sow.** (*Ch.* ed. nov. p. 261. t. 35. f. 17—19. — *Gray* Phan. p. 125. — *Cyclostomus depressus* [Lithidion] *Ad.* Gen. p. 292.) . . . . - - 178.
5. **niveum Pet.** (Coll. 196. — *Ch.* ed. nov. p. 261. t. 35. f. 20—22. — *Gray* Phan. p. 125. — *Cyclostomus niveus* (Lithidion] *Ad.* Gen. p. 292.) . . - - 178.

XXIV. Otopoma Gray.

Pfr. Mon. Pneum. p. 179. — *Gray* Cat. Phan. p. 126. — *Woodward* Man. Moll. II. p. 176: subgenus Cyclostomatis. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 292: subgenus Cyclostomi.

Conspectus specierum.

A. Umbilico prorsus clauso . . . . §. 1. Nr. 1.
B. Umbilico magis minusve aperto.
   1. Peristomatis margine dextro expanso §. 2. Nr. 2—6.
   2. Margine dextro recto . . . . . §. 3. Nr. 7—15.
   3. Margine dextro flexuoso . . . . §. 4. Nr. 16—17.

§. 1.

1. **clausum Sow.** (*Gray* Phan. p. 126. — *Cyclostomus clausus* [Otopoma] *Ad.* Gen. p. 293.) . . . Mon p. 179.

§. 2.

2. **auriculare Gray.** (*Gray* Phan. p. 126. — *Cyclostomus auricularis* [Otopoma] *Ad* Gen. p. 292. — *Cyclostoma candidum Sow.*) . . . . - - 180.
3. **albicans Sow.** (*Gray* Phan. p. 127. — *Cyclostomus albicans* [Otopoma] *Ad.* Gen. p. 292.) . . . - - 181.
4. **naticoides Reel.** (Coll 197. — *Gray* Phan. p. 127. — *Cyclostomus naticoides* [Otopoma] *Ad.* Gen. p. 293. — *Turbo foliaceus Chemn., Dillw.* Cat. II. p. 866. n. 121?) . . . . - - 181.

5. **Guillaini Petit.** (*Ch.* ed. nov. p. 252. t. 34. f. 7. 8. — *Gray* Phan. p. 128. — *Cyclostomus Guillaini* [Otopoma] *Ad.* Gen. p. 293.) . . . . . . Mon. p. 182.
6. **unifasciatum Sow.** (*Gray* Phan. p. 128. — *Cyclostomus unifasciatus* [Otopoma] *Ad.* Gen. p. 293.) - - 183.

§. 3.

7. **Philippianum Pfr.** (Coll. 198. — *Ch.* ed. nov. p. 340. t. 44. f. 23. 24. — *Gray* Phan. p. 128. — *Cyclostomus Philippianus* [Otopoma] *Ad.* Gen. p. 293.) . . . . - - 183.

8. **O.? Coquandianum Petit.** †

„C. Testa conico-pyramidata, umbilicata, sublaevis, longitudinaliter oblique ac subtile striolata; anfractibus 6—7, rotundatis, ultimo ventricoso, duabus fuscis fasciis cincto; labio reflexo umbilicum mediocrem subobtegente; labro incrassato, extus marginato. — Operc.? — Long. 28, lat. 22 mill.“ (Pet.)

Cyclostoma Coquandiana Petit in Journ. Conch. 1852. p. 417. t. 12. f. 2.
Otopoma? Coquandianum Pfr. in Malak. Bl. 1854. p. 91.

Habitat in insula Madagascar?

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9. **clathratulum Recl.** (Coll. 199. — *Gray* Phan. p. 129. — *Cyclostomus clathratulus* [Otopoma] *Ad.* Gen. p. 293.) . . . . Mon. p. 184.

10. **O. Blennus Benson.**

T. anguste et profunde umbilicata, conoideo-globosa, crassiuscula, leviter striatula, sordide albida; spira conoidea, apice acutiuscula; sutura submarginata; anfr. 5 convexiusculi, ultimus ventricosior, non descendens; apertura parum obliqua, ovalis, superne angulata; perist. rectum, obtusum, marginibus callo brevi, tenui junctis, columellari leviter revoluto, expanso. — Operc. testaceum, extus concaviusculum, 5-spiratum, intus nitidum, umbonatum, anfr. $1^1/_2$ rapide accrescentes exhibens. — Diam. maj. $17^1/_2$, min. 15, alt. 13 mill. Apert. $10^1/_2$ mill. longa. (Mus. Benson.)

Otopoma Blennus Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 231.

Habitat raro ad Moulmein imperii Burmani (W. Theobald).

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11. **vitellinum Pfr.** (Proc. 1852. p. 64. — *Ch.* ed. nov. p. 338. t. 43. f. 35. 36. — *Gray* Phan. p. 129.

— *Cyclostomus vitellinus* [Otopoma] *Ad.* Gen. p. 293.) . . . . Mon. p. 184.

12. **Listeri Gray.** (Coll. 200. — *M. E. Gray* Fig. Moll. Anim. t. 311. f. 10. Ex Gray. — *Gray* Phan. p. 130. — *Cyclostoma Listeri Sow.* in Proc. Zool. Soc. 1843. p. 31. — *Cyclostoma fimbriata Quoy, Deless., Chenu* Ill conch. t. 1. f. 12. — *Cyclost. Philippi Grat.?* — *Cyclostomus Listeri* [Otopoma] *Ad.* Gen. p. 293.) . . . . - - 185.

13. **haemastomum Ant.** (Coll. 201. — *Gray* Phan. p. 130. — *Cyclostomus haemastoma* [Otopoma] *Ad.* Gen. p. 293.) . . . . - - 186.

14? **politum Sow.** (*Gray* Phan. p. 130. — *Cyclostomus politus* [Otopoma] *Ad.* Gen. p. 293.) . . - - 186.

15. **pygmaeum Sow.** (*Gray* Phan. p. 131. — *Cyclostomus pygmaeus* [Otopoma] *Ad.* Gen. p. 293.) - - 187.

§. 4.

16. **multilineatum Jay.** (Coll. 202. — *Gray* Phan. p. 151. — *Cyclostomus multilineatus* [Otopoma] *Ad.* Gen. p. 293. — *Cyclostoma flexilabrum Sow.*) - - 187.

17. O. Comorense Pfr.

T. subobtecte perforata, ovato-conica, solida, longitudinaliter capillaceo-striata et irregulariter rugosa, castanea, fasciis pallidis ornata; spira elongata, convexo-conica, obtusula; anfr. 5, superi parum convexi, spiraliter lirati, penultimus convexior, ultimus rotundatus, spiram vix aequans; apertura obliqua, angulato-ovalis; perist. simplex, marginibus vix junctis, dextro recto, superne sinuato, flexuoso, sinistro calloso, superne dilatato, supra perforationem adnato. — Operc. *O. clathratuli.* — Long. 16, diam. 11 mill. Ap. $7^1/_2$ mill. longa, $5^1/_2$ lata. (Mus. Cuming.)

Cyclostoma Comorense (Otopoma) *Pfr.* in Proc. Zool. Soc. 1854. p. 151.

Habitat in insulis Comoris Africae.

XXV. Cyclostomus Montfort.

Pfr. Mon. Pneum. p. 188. — *Gray* Cat. Phan. p. 132. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 290: genus Cyclostominarum; subgenera: *Tropidophora*, *Lithidion*, *Otopoma*, *Leonia*.

Conspectus specierum.

A. Carinatae,		
1. depressae	§. 1.	Nr. 1—10.
2. turbinato-conicae.		
a. Bi- vel multicarinatae . .	§. 2.	Nr. 11—29.
b. Unicarinatae	§. 3.	Nr. 30—32.
B. Ecarinatae,		
1. depressae	§. 4.	Nr. 33—36.
2. globoso-turbinatae.		
a. Peristomate reflexo,		
α. lato	§. 5.	Nr. 37—46.
β. angusto	§. 6.	Nr. 47—68.
b. Peristomate recto	§. 7.	Nr. 69—76.
3. Ovato-turritae,		
a. Peristomate recto	§. 8.	Nr. 77—84.
b. Peristomate expanso.		
α. Laevigatae	§. 9.	Nr. 85—87.
β. Longitudinaliter plicatae	§. 10.	Nr. 88—97.
γ. Decussatae	§. 11.	Nr. 98—100.

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§. 1.

1. **Cuvierianus Petit.** (Coll. 203. — *Gray* Phan. p. 133. — Tropidophora *Ad.* Gen. p. 292.) . . . Mon. p. 189.

2. **C. occlusus Mörch.**

T. umbilicata, turbinato-depressa, solidula, striis confertis obliquis lirisque levibus decussata, opaca, carnea; spira breviter gradata, apice obtusula; anfr. 5, supremi convexi, glabri, sequentes deplanati, lamelloso-unicarinati, ultimus angulatus, compresse bicarinatus, basi distinctius spiraliter liratus; apertura diagonalis, subcircularis; perist. subinterruptum, incrassatum, late revolutum, margine columellari perdilatatum, reflexum, umbilicum mediocrem fere tegens. — Diam. maj. 37, min. 33, alt. 21 mill. Ap. intus oblique 15 mill. longa, 13 lata. (Mus. Cuming. et Coll. Nr. 203a.)

Cyclostoma occlusum Mörch Cat. Yold. p. 39.

Cyclostomus Cuvierianus β Pfr. Mon. Pneum. p. 190.

Habitat Madagascar.

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3. **formosus Sow.** (*Ch.* ed. nov. p. 241. t. 32. f. 1. 2. — *Gray* Phan. p. 133. — Tropidophora *Ad.* Gen. p. 292.) . . . . Mon. p. 190.

4. **cariniferus Sow.** (*Gray* Phan. p. 104. — Tropidophora *Ad.* Gen. p. 292.) . . . . Mon. p. 191.
5. **articulatus Gray.** (Coll. 204. — *Gray* Phan. p. 134. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. filosum Sow.* — *Cycl. Terveriana Grat.* — Operc. extus concaviusculum, 4-spiratum, nucleo nigricante.) - - 191.
6. **Deshayesianus Petit.** (*Gray* Phan. p. 135. — Tropidophora *Ad.* Gen. p 292.) . . . . - - 192.
7. **Abeillei Grat.** † (*Gray* Phan. p. 135. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 193.
8. **modestus Petit.** (*Gray* Phan. p. 135. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 193.

9. C. Kieneri Pfr.

T. umbilicata, depressa, solida, radiatim conferte striata, superne liris sub-5 carinaeformibus munita, parum nitida, rufa, albido marmorata; spira brevis, subturbinata, apice nigra, acutiuscula; anfr. 5 convexi, celeriter accrescentes, ultimus antice descendens, juxta suturam subexcavatus, peripheria subobtuse carinatus, basi laevigatus; umbilicus profundus, $^1/_3$ diametri subaequans; apertura perobliqua, angulato-rotundata, intus ignea; perist. continuum, subrectum, crassum, obtusum, superne angulatim productum, adnatum. — Operc.? — Diam. maj. $19^1/_2$, min. 16, alt. 9 mill. Ap. 7 mill. longa et lata. (Mus. Cuming.)

Cyclostoma Kieneri (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 302.
— — *Pfr.* Novit. conch. I. p. 29. n. 48. t. 8. f. 1—3.

Habitat in insula Madagascar.

Obs. Affinis *C. Deshayesiano Pet.*

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10. **liratus Pfr.** (Proc. 1852. p. 64. — *Ch.* ed. nov. p. 329. t. 42. f. 9. 10. — *Gray* Phan. p. 136. — Tropidophora *Ad.* Gen. p. 292.) . . . . Mon. p. 194.

Obs. Conf. *Cyclotus? orbellus Lam.*

§. 2.

11. **campanulatus Pfr.** (Coll. 205. — *Gray* Phan. p. 136. — Tropidophora *Ad.* Gen. p. 292. — *Cycl. unicarinatum Sow.* ex parte. — *C. tricarinatum Pot.* et *Mich.?*) . . . . Mon. p. 194.
12. **bicarinatus Sow.** (Coll. 206. — *Gray* Phan. p. 137. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 195.
13. **pulchellus Sow.** (Coll. 207. — *Gray* Phan. p. 137. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. Hanleyi Pfr.* olim. — Hab. Madagascar.) . . . - - 195.
14. **zonulatus Fér.** (*Ch.* ed. nov. p. 254. t. 34. f. 17. 18. — *Gray* Phan. p. 138. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 196.

15. **tricarinatus Müll.** (*Gray* Phan. p. 138. — Tropidophora *Ad.* Gen. p. 292.) . . . . Mon. p. 197.
16. **carinatus Born.** (*Gray* Phan. p. 138. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. tricarinatum Sow.* Thes. t. 26. f. 122.) . . . . - - 198.
17. **unicolor Pfr.** (Proc. 1851. p. 243. — *Ch.* ed. nov. p. 292. t. 39. f. 5. 6. — *Gray* Phan. p. 139. — Tropidophora *Ad.* Gen. p. 292.) . . . . . . - - 199.
18. **deliciosus Fér.** (*Ch.* ed. nov. p. 255. t. 34. f. 19. 20. — *Gray* Phan. p. 139. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 199.
19. **Michaudi Grat.** (*Gray* Phan. p. 140. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. carinatum Sow.* Thes. t. 26. f. 117.) . . . . - - 200.
20. **Barclayanus Pfr.** (Coll. 208. — *Pfr.* in Proc. 1852. p. 158. — *Ch.* ed. nov. p. 242. t. 32. f. 3. 4. — *Gray* Phan. p. 140. — Tropidophora *Ad.* Gen. p. 292. — *Cycl. carinatum var. Sow.* Thes. f. 118.) . . . . - - 200.
21. **sulcatus Lam.** (*Cyclost. sulcata Lam.*, *Chenu* Ill. conch. t. 1. f. 9. — *Cyclost. calcareum Sow.* — *Cyclostomus calcareus Pfr.* Pneum. n. 19. — *Gray* Phan. p. 141. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 201.
22. **rugosus Lam.** (*Gray* Phan. p. 141. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. rugosa Lam. Chenu* Ill. conch. t. 1. f. 7.) . . . . - - 202.
23. **Creplini Dunk.** (Coll. 209. — *Ch.* ed. nov. p. 283. t. 38. f. 13—15. — *Gray* Phan. p. 142. — Tropidophora *Ad.* Gen. p. 292.) . . . . - - 202.
24. **pulcher Gray.** (Coll. 210. — *Gray* Phan. p. 142. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. ortix Val.* — *Cycl. multicarinata Jay.* — *Cycl. Arthurii Grat.*) . . . . - - 203.
25. **Kraussianus Pfr.** (Proc. 1852. p. 64. — *Ch.* ed. nov. p. 334. t. 43. f. 17. 18. — *Gray* Phan. p. 142. — Tropidophora *Ad.* Gen. p. 292.) . . . - - 204.
26. **castaneus Pfr.** (Proc. 1851. p. 251. — *Ch.* ed. nov. p. 327. t. 42. f. 25. 26. — *Gray* Phan. p. 143. — Tropidophora *Ad.* Gen. p. 292.) . . . . . . - - 204.
27. **fusculus Pfr.** (Proc. 1851. p. 251. — *Ch.* ed. nov. p. 326. t. 42. f. 23. 24. — *Gray* Phan. p. 143. — Tropidophora *Ad.* Gen. p. 292. — Habitat Yemen Arabiae teste Cloué in Mus. Cuming.) . . . . - - 205.

28. C.? gradatus Pfr.

T. perforata, globoso conica, solidula, radiato-striata et spiraliter lirata (liris inaequalibus, juxta suturam subtilibus, tum 1—3 validis carinaeformibus, reliquis obtusis), pallide lutescens; spira turbinata, gradata, acutiuscula; anfr. 5 angulato-convexi, ultimus basi inflatus; apertura parum obliqua, subangulato-circularis; perist. album, subincrassatum, conti-

nuum, breviter adnatum, vix expansiusculum. — Operc.? — Long. 7, diam. 5 mill. Ap. fere 4 mill. longa (Mus. Cuming.)

Cyclostoma gradatum (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 303.

Habitat . . . ?

29. **C. trochlea Benson.**

T. perforata, oblongo-pyramidata, solidula, alba, sublaevigata; spira elongato-conica, apice acutiuscula; anfr. $5^1/_2$ subangulato-convexi, superne unicarinati, ultimus tricarinatus: carina 1 superiore, 1 mediana, tertia umbilicum angustum, subpervium cingente; apertura parum obliqua, circularis, $^2/_7$ longitudinis aequans; perist. simplex, rectum, fere continuum. — Operc.? — Long. 3, diam. 2 mill. (Mus. Benson.)

Cyclostoma trochlea Bens. in Ann. and Mag. 2d. ser. VIII. p. 189.
— — *Chemn.* ed. nov. p. 380. t. 49. f. 29. 30.
Cyclostomus trochlea Pfr. Mon. Pneum. p. 205. n. 26.
— — *Gray* Cat. Phan. p. 144.
— — (Tropidophora) *H.* et *A. Adams* Gen. rec. Moll. II. p. 292.

Habitat in montibus Neilgherries Indiae.

§. 3.

30. **Madagascariensis Gray.** (*Ch.* ed. nov. p. 290. t. 39. f. 1. 2. — *Gray* Phan. p. 144. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. Duisabonis Grat.*) . . . . Mon. p. 205.

31. **C. Boivini Pfr.**

T. obtecte perforata, globoso-turbinata, tenuiuscula, spiraliter obsolete lirata, griseo et fulvido variegata, spadiceo multifasciata; spira turbinata; anfr. fere 6 turgidi, celeriter accrescentes, ultimus ventrosus, peripheria carina 1 compressa, albida munitus, circa umbilicum confertim spiraliter liratus; apertura subverticalis, oblongo-rotundata, intus nigricanti-sanguinea; perist. tenue, ad anfr. contiguum subemarginatum, superne productum, margine dextro et basali late patentibus, columellari angusto, supra umbilicum dilatato, adnato. — Operc.? — Diam. maj. 29, min. 23, alt. 25 mill. Ap. intus 15 mill. longa, 13 lata. (Mus. Cuming.)

Cyclostoma Boivini (Cyclostomus) *Pfr.* in Proc. Zool. Soc. 1856. p 338.

Habitat Nos-bé insulae Madagascar (Boivin).

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32. **unicarinatus Lam.** (Coll. 211. — *Gray* Phan. p. 144. — Tropidophora *Ad.* Gen. p. 292. — *Cycl. unicarinatum Pot.* et *Mich.* Gal. I. p. 243. n. 25. — *Cycl. fulvifrons Sow.*) . . . . Mon. p. 206.

§. 4.

33. **vittatus Sow.** (Coll. 212. — *Gray* Phan. p. 145. — Tropidophora *Ad.* Gen. p. 292. — Operc. *C. Cuvieriani!*) . . . . Mon. p. 207.

34. **C.? chloroticus Pfr.**

T. umbilicata, turbinato-depressa, tenuiuscula, oblique striatula et liris confertis inaequalibus, basi validioribus, cincta, vix nitidula, diaphana, albida, fasciis pallidissime lutescentibus ornata; spira brevis, submucronata; anfr. 5 convexi, rapide accrescentes, ad suturam depressi, marginati, ultimus rotundatus, non descendens; umbilicus profundus, 1/4 diametri subaequans; apertura obliqua, subcircularis, intus nitida; perist. simplex, marginibus fere contiguis, supero sinuato, vix expansiusculo, basali reflexo, columellari dilatato, fornicatim patente. — Operc.? — Diam. maj. 34, min. 27, alt. 16 mill. (Mus. Cuming.)

Cyclostoma chloroticum (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1854. p 161 (errore typ. *C. chloriticum*).
— — *Pfr.* Novit. conch. I. p. 11. n. 18. t. 4. f. 10. 11.

Habitat in insula Madagascar.

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35? **Moulinsi Grat.** (*Gray* Phan. p. 145. — Tropidophora *Ad.* Gen. p. 292. — *Cyclost. Desmoulinsii Sow.*) . . . . Mon. p. 208.

36. **C. Macareae Petit.** †

„C. Testa subcoidea, depressiuscula, umbilicata, nitidula, albido-fulvescente, spiraliter zonis nigrescentibus numerosis ornata; anfractibus 5—6, rotundatis, transversim laevissime sulcatis ac longitudinaliter striatis; ultimo subtus sublaevigato; sutura distincta; apertura suborbiculari, peristomate albicante, vix reflexo; umbilico profundo. — Operc. calcareum. — Alt. 19, lat. 30 mill.“ (Pet.)

Cyclostoma Macareae Petit Journ. conch. IV. 1853. p. 361. t. 11. f. 1.
Cyclostomus Macareae Pfr. in Malak. Bl. 1854. p. 92.

Habitat prope S. Augustin in parte meridionali insulae Madagascar (Guillain).

§. 5.

37. **euchilus Pfr.** (Coll. 213. — Proc. 1851. p. 242. — *Ch.* ed. nov. p. 291. t. 39. f. 3. 4. — *Gray* Phan. p. 146. — *Ad.* Gen. p. 291.) . . . . . Mon. p. 208.
38. **multifasciatus Grat.** (*Gray* Phan. p. 146. — *Ad.* Gen. p. 291.) . . . . - - 209.
39. **zonatus Petit.** (*Ch.* ed. nov. p. 293. t. 39. f. 22. 23. — *Gray* Phan p. 147. — *Ad.* Gen. p. 291.) - - 209.
40. **obsoletus Lam.** (Coll. 214. — *Gray* Phan. p. 147. — *Ad.* Gen. p. 291. — *Cyclost. obsoleta Lam.*, *Chenu* Ill. conch. t. 1. f. 11.) . . . . - - 210.

41. **C. Belairi Petit.**

T. umbilicata, globoso-turbinata, solidula, aurantiaco-albida, fasciis atro-violaceis ornata; spira elata, turbinata, vertice obtusulo; anfr. 6 convexi, superiores spiraliter lirati, ultimus rotundatus, sublaevigatus, circa umbilicum valide liratus; apertura fere verticalis, subcircularis, intus concolor, nitida; perist. simplex, margine dextro et basali subrectangule patentibus, columellari vinoso-rubro, angustato, superne in laminam umbilicum mediocrem fere claudentem dilatato. — Operc. norm. — Diam. maj. 31, min. 24, alt. 22 mill. Ap. intus 14 mill. longa, fere totidem lata. (Mus. Cuming.)

Cyclostoma Belairi Petit Journ. Conch. IV. 1853. p. 360. t. 11. f. 2.
Cyclostomus Belairi Pfr. in Malak. Bl. 1854. p. 92.

Habitat in insula Madagascar (Lapayre Belair).

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42. **citrinus Sow.** (Coll. 215. — *Gray* Phan. p. 148. *Ad.* Gen. p 292. — Var.: *Cyclost. rugosum Sow.* — *Cycl. semidecussatum Pfr.* olim.) . . . . . Mon. p. 211.
43. **xanthochilus Sow.** (Coll. 216. — *Ch.* ed. nov. p. 251. t. 34. f. 5. 6. — *Gray* Phan. p. 148. — *Ad.* Gen. p. 291.) . . . . - - 211.

44. **C.? castus Pfr.**

T. umbilicata, globoso-turbinata, tenuis, striis elevatis obliquis et spiralibus confertissime reticulata, vix nitidula, candida; spira breviter turbinata, vertice truncatulo; anfr. 5 convexi, rapide accrescentes, ultimus rotundatus, fascia 1 obsoleta

fulva infra medium signatus; umbilicus profundus, $^1/_4$ diametri fere aequans; apertura obliqua, subcircularis, intus concolor, nitida; perist. mediocriter expansum et revolutum, margine columellari in laminam latissimam, superne adnatam, umbilicum semioccultantem, dilatato. — Operc.? — Diam. maj. 28, min. 22, alt. 16 mill. Ap. oblique 13 mill. longa, 11 lata. (Mus. Cuming.)

Cyclostoma castum (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 150.
— — *Pfr.* Novit. conch. I. p. 9. n. 15. t. 3. f. 10. 11.
β. Anfractu ultimo antice longe soluto, dorso carinato:
Cyclostoma castum monstr. Pfr. Ibid. t. 3. f. 12. 13.

Habitat in insula Madagascar.

45. **C.? virgo Pfr.**

T. umbilicata, turbinato-globosa, depressiuscula, tenuis, confertim striata et liris spiralibus (quarum singulis validioribus) asperato-granulata, haud nitens, diaphana, albido-fulvescens, castaneo trifasciata; spira breviter turbinata, vertice submamillari; anfract. 5 convexi, rapide accrescentes, ultimus rotundatus; umbilicus profundus, $^1/_6$ diametri vix superans; apertura obliqua, subangulato-subcircularis, intus nitida; perist. dilatatum, undique subrectangule patens, nitidum, albidum, castaneo-maculatum, superne subfornicatum, margine sinistro crenulatum, supra umbilicum in laminam magnam superne adnatam dilatatum. — Operc.? — Diam. maj. 26, min. 21, alt. 15 mill. Ap. 12 mill. longa, $10^1/_2$ lata. (Mus. Cuming.)

Cyclostoma virgo (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1854. p. 150.
— — *Pfr.* Novit. conch. I. p. 10. n. 16. t. 3. f. 14. 15.

Habitat in insula Madagascar.

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46. **Sowerbyi Pfr.** (Coll. 217. — *Gray* Phan. p. 148. — *Ad.* Gen. p. 291. — *Cyclostoma megacheilus Sow.*) . . . . Mon. p. 212.

§. 6.

47. **aplustre Sow.** (*Ch.* ed. nov. p. 249. t. 33. f. 5—7. — *Gray* Phan. p. 139. — *Cyclostomus aplustris Ad.* Gen. p. 291.) . . . . Mon. p. 212.

48. **asper Pot. et Mich.** (*Gray* Phan. p. 149. — *Ad.* Gen. p. 291. — *Cyclost. Harveyanum Sow.*) - - 213.

49. **pyrostomus Sow.** (*Ch.* ed. nov. p. 251. t. 34. f. 1. 2. — *Gray* Phan. p. 150. — *Ad.* Gen. p. 291. — *Cyclost. haemastoma Grat.*) . . . . - - 214.

50. **C.? sinuatus Pfr.**

T. umbilicata, globoso-turbinata, solida, laevigata, vix nitidula, alba; spira turbinata, acutiuscula; anfr. $5^1/_2$ convexi, prope suturam liris 5 filaribus cincti, ultimus rotundatus, circa umbilicum angustum, pervium liris paulo confertioribus sculptus; apertura vix obliqua, subcircularis; perist. breviter expansum, marginibus callo subexciso junctis, dextro superne repando, fere sinuoso, columellari non latiore. — Operc.? — Diam. maj. 22, min. 18, alt. 17 mill. Ap. intus 10 mill. longa, 9 lata. (Mus. Cuming.)

Cyclostoma sinuatum (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1855. p. 105..

Habitat in insula Madagascar?

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51? **striatulus Pfr.** (Proc. 1852. p. 147. — *Ch.* ed. nov. p. 375. t. 49. f. 1. 2. — *Gray* Phan. p. 150. — *Ad.* Gen. p. 291 et *Cyclophorus striatulus Ad.* Gen. p. 280.) . . . . Mon. p. 214.

52. **fulvescens Sow.** (Coll. 218. — *Gray* Phan. p. 150. — *Ad.* Gen. p. 291.) . . . . - - 215.

53? **ictericus Sow.** (*Cyclophorus? ictericus Pfr.* Pneum. n. 47. — *Gray* Phan. p. 56. — *Ad.* Gen. p. 280.) . . . . - - 81.

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54. **C. microchasma Pfr.**

T. umbilicata, depresse turbinato-globosa, tenuiuscula, spiraliter confertim lirata, striis incrementi vix decussatula, albido-lutescens; spira turbinata, obtusula; anfr. $4^1/_2$ convexi, ultimus teres, infra peripheriam fascia latiuscula castanea ornatus; umbilicus conicus, $^1/_5$ diametri fere occupans; apertura parum obliqua, parvula, fere circularis; perist. tenue, vix expansiusculum, marginibus fere contiguis, ad anfr. penultimum callo brevi junctis. — Operc.? — Diam. maj. 18, min. $15^1/_2$, alt. 12 mill. Ap. 10 mill. longa, 8 lata. (Mus. Cuming.)

Cyclostoma microchasma (Cyclostomus) *Pfr.* in Proc. Zool. Soc. 1856. p. 338.

Habitat in insula Madagascar.

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55. **insularis Pfr.** (Coll. 219. — Proc. 1852. p. 64. — *Ch.* ed. nov. p. 351. t. 45. f. 5. 6. — *Gray* Phan. p 151. — *Ad.* Gen. p. 291.) . . . . . Mon. p. 215.

56. **C. sarcodes Pfr.**

T. umbilicata, turbinata, solidula, liris obtusis subconfertis striisque illas transgredientibus creberrimis sculpta, carnea,

fusco-violaceo uni- vel plurifasciata; spira turbinata, acutiuscula; anfr. 5 convexi, ultimus circa umbilicum angustum, subpervium liris angustioribus, prominentioribus munitus; apertura fere verticalis, ovali-rotundata: perist. anguste expansum, breviter adnatum, superne subangulatum. — Operc.? — Diam. maj. 17, min. 14, alt. 14 mill. (Mus. Cuming.)

Cyclostoma sarcodes (Cyclostomus) *Pfr.* in Proc. Zool. Soc. 1856. p. 339.

Habitat in insula Madagascar.

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57. **reticulatus A. Ad. et Reeve.** (*Ch.* ed. nov. p. 254. t. 34. f. 13—16. — *Gray* Phan. p. 151.— *Ad.* Gen. p. 291.) . . . . , . Mon. p. 216.
58. **Goudotianus Sow.** (*Gray* Phan. p. 152. — *Ad.* Gen. p. 291.) . . . . - - 216.
59. **virgatus Sow.** (Coll. 200. — *Gray* Phan. p. 152. — *Ad.* Gen. p. 291. — *β*. Testa subunicolore albida fasciis basalibus subpellucentibus.) . . . . - - 217.
60. **Carolinensis Pfr.** (Proc. 1852. p. 65. — *Ch.* ed. nov. p. 332. t. 43. f. 10. 11. — *Gray* Phan. p. 152. — *Ad.* Gen. p. 291.). . . . . - - 217.

61. C.? griseus Pfr.

T. vix perforata, turrito-conica, solidula, spiraliter confertim sulcata, vix nitidula, lilaceo-grisea; spira elevato-conica, apice acutiuscula, flavida; sutura mediocris; anfr. 6 modice convexi, ultimus $^2/_5$ longitudinis aequans, infra medium fascia pallida alteraque fuscula ornatus; apertura obliqua, rotundato-ovalis, intus fuscula, fasciata; perist. interruptum, marginibus approximatis, dextro recto, columellari subdilatato, fornicatim patente. — Operc.? — Long. 17, diam. 10 mill. Ap. 8 mill. longa. (Mus. Cuming).

Cyclostoma griseum Pfr. in Proc. Zool. Soc. 1853. p. 51.
Cyclostomus griseus Pfr. in Malak. Bl. 1854. p. 93.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 291.

Habitat in insula Madagascar.

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62. **tenuis Sow.** † (*Gray* Phan. p. 153. — *Ad.* Gen. p. 291.) . . . . Mon. p. 218.
63. **cincinnus Sow.** (*Gray* Phan. p. 153. — *Cyclostomus concinnus Ad.* Gen. p. 291. — Operc. *C. elegantis*. — Hab. Yemen Arabiae: Cloué in Mus. Cuming.) . . . . - - 218.
64. **ligatulus Grat.** † (*Gray* Phan. p. 153. — *Cyclostomus ligulatus Ad.* Gen. p. 291.) . . . . . - - 219.
65. **Zanguebaricus Pet.** (*Ch.* ed. nov. p. 294. t. 39. f. 24. 25. — *Gray* Phan. p. 154. — *Ad.* Gen. p. 291.) - - 219.

66. **subliratus Pfr.** (Proc. 1852. p. 65. — *Ch.* ed. nov. p. 335. t. 43. f. 37. 38. — *Gray* Phan. p. 154. — *Ad.* Gen. p. 291.) . . . . Mon. p. 220.
67. **Novae Hiberniae Quoy.** (*Gray* Phan. p. 154. — *Ad.* Gen. p. 291. — *Leptopoma Novae-Hiberniae M. E. Gray* Fig. Moll. An. t. 311. f. 13 ex Quoy.) . . . . - - 220.

68? **C. hespericus Morelet et Drouet.** †

„T. umbilicata, globoso-pyramidata, basi planulata, solidiuscula, striolata, parum nitens, castaneo- vel luteo-cornea; spira conica, acuminata; anfr. $4^1/_2$ rotundati, ultimo subangulato; apertura circularis; peristoma integrum, simplex, expansiusculum. — Operc. solidulum, corneum, nucleo concentrico. — Diam. maj. $3^1/_3$, alt. $4^1/_3$ mill.“ (M. et D.)

Cyclostoma hespericum Morelet et *Drouet* in Journ. Conch. VI. 1857. p. 152.

Habitat in insulis Azoris.

§. 7.

69. **ligatus Müll.** (Coll. 221. — *Gray* Phan. p. 155. — *Ad.* Gen. p. 291. — *Trosch.* Gebiss d. Schn. p. 70. t. 4. f. 11. — *Angaria bifasciata Bolt.* Mus. p. 72. n. 919. Ed. 2a. p. 51.) . . . . . Mon. p. 221.
70. **lineatus Pfr.** (Proc. 1852. p. 65. — *Ch.* ed. nov. p. 350. t. 45. f. 3. 4. — *Gray* Phan. p. 156. — *Ad.* Gen. p. 291.) . . . . - - 222.
71. **undulatus Sow.** (*Gray* Phan. p. 156. — *Cyclostoma fimbriata Lam.* — *Cyclostomus fimbriatus Ad.* Gen. p. 291.) . . . . - - 223.
72. **glaucus Sow.** (*Gray* Phan. p. 157. — *Ad.* Gen. p. 291. — *Cyclost. striatum Menke* olim. — *Cyclost. breviale Gray* olim.) . . . . - - 223.

73. **C. Olivieri Sowerby.**

T. subumbilicata, globoso-conica, tenuiuscula, liris planis crebris circumdata, interstitiis leviter clathratula, carneo-albida; spira conica, apice obtusa, fulva; anfr. 5 convexi, celeriter accrescentes, medii saepe rubidi, ultimus antice solutus, dorso carinatus; apertura verticalis, subangulato-rotundata; perist. continuum, rectum, margine sinistro levissime incrassato. — Operc. speciei sequentis, anfractu ultimo latiore. — Long. 19, diam. 13 mill. Ap. 10 mill. longa, 9 lata. (Coll. Nr. 222.)

Cyclostoma Olivieri Sow. mss.
— — *Chemn.* ed. nov. p. 156. t. 21. f. 20. 21.
— — *Charp.* in Zeitschr. f. Malak. 1847. p. 144.

Cyclostoma Olivieri Mouss. Coq. orient. p. 49.
— *Syriacum Ziegl.* olim.
— *orientale Rossm.* olim.
Cyclostomus costulatus β Pfr. Mon. Pneum. p. 224.
— *Olivieri Roth* in Malak. Bl. 1855. p. 47. (Spicil. p. 31.)

Habitat in Syria.

Obs. Differt a *C. costulato Ziegl.* praeter staturam et colorem anfractu ultimo antice soluto, dorso carinato, nec non umbilico paulo latiore.

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74. **costulatus Ziegl.** (Coll. 223. — *Gray* Phan. p. 157. — *Ad.* Gen. p. 291. — *Trosch.* Gebiss d. Schn. p. 70. t. 4. f. 9. 10. — *Cyclost. sulcatum Sow.* — Excludatur var. *β.*) . . . . Mon. p. 224.

75. **C. parvispirus Pfr.**

T. angustissime umbilicata, globoso-conica, solidula, sublaevigata, nitidula, flavida, fascia 1 angusta, spadicea infra peripheriam, saepeque aliis interruptis ornata; spira parvula, conoidea, apice acutiuscula; anfr. $4^1/_2$ modice convexi, celeriter accrescentes, ultimus ventrosus, circa umbilicum liris nonnullis elevatis munitus; apertura vix obliqua, ovali-rotundata, superne vix angulata; perist. simplex, rectum, ad anfr. penultimum breviter interruptum, margine columellari reflexiusculo. — Operc. *C. elegantis.* — Diam. maj. 12, min. 10, alt. 9—10 mill. Ap. 7 mill. longa, 6 lata. (Coll. Nr. 224.)

Cyclostoma parvispirum (Cyclostomus) *Pfr.* in Proc. in Proc. Zool. Soc. 1854. p. 128.

Habitat . . . ?

Obs. An eadem species (adultior?): anfr. 5, perist. vix expansiusculum, marginibus ad anfr. penultimum callo tenuissimo vix junctis, dextro superne subrepando, columellari reflexiusculo. — Operc. fere *C. ligati.* — Diam. maj. $15^2/_3$, min. 13, alt. 12 mill. Ap. 9 mill. longa, $7^1/_2$ lata. — Hab. Nos-bé Madagascar teste Boivin.

76. **C. levis Pfr.**

T. perforata, globoso-conica, tenuis, levis, striatula, nitida, pellucida, rubello-succinea; spira conica, acutiuscula; anfr. 5 convexi, ultimus spiram subaequans; apertura obliqua, irregulariter rotundata; perist. subcontinuum, breviter adnatum, margine sinistro medio angulatim dilatato. — Operc. calcareum, nucleo submediano. — Long. 7, diam. 5 mill. Ap. 4 mill. longa, $3^1/_3$ lata. (Coll. Nr. 225.)

Cyclostoma leve (Cyclostomus) *Pfr.* in Proc. Zool. Soc. 1855. p. 118.
Habitat Guadalcanar insul. Salomonis (Macgillivray).

§. 8.

77. **buccinulum Bolt.** (Coll. 226. — *Helix buccinulum Bolt* Mus. p. 108. *n.* 1403. Ed. 2a. p. 77. ex ic. Chemnitz. — *Cyclostoma sulcatum Drap.*, *Pot.* et *Mich.* Gal. I. p. 241. n. 20: — *Dupuy* Moll. France p. 506. t. 26. f. 9. — Ericia *Moq.-Tand.* Moll. Fr. p. 494. t. 37. f. 1. 2. — *Cyclost. polysulcatum Pot.* et *Mich.* — *Cyclostoma buccinulum Mörch* Yold. p. 39. — *Cyclostomus sulcatus Pfr.* Mon. Pneum. n. 65. — *Gray* Phan. p. 158. — *Ad.* Gen. p. 291. — Varr.: *C. aurantium Ant.*, *coloratum Zgl.* — *C. phaleratum Zgl.* — *C. reticulatum Zgl.* — *C. Melitense Sow.* — *C. multisulcatum Pot.* et *Mich.*, *tenellum Sow.*) . . . . Mon. p. 225.

78. **elegans Müll.** (Coll. 227. — *M. E. Gray* Fig. Moll. An. t. 293. f. 1. — *Gray* Phan. p. 159. — *Ad* Gen. p. 290. t. 86. f. 9. — *Trosch.* Gebiss d. Schn. p. 69. t. 4. f. 8. — *Cyclostoma elegans Drap.*, *Pot.* et *Mich.* Gal. I. p. 235. n. 7. — *Dupuy* Moll. France p. 504. t. 26. f. 8. — *Forb.* et *Hanl.* Brit. Moll. IV. p. 201.*) t. 122. f. 3. — *De Betta* et *Mart.* Moll. Ven. p. 75. — Ericia *Moq. Tand.* Moll. Fr. p. 496. t. 37. f. 3—23. — Var.: *Cyclost. marmoreum Sow.*) . . . . - - 227.

79. **fascicularis Pfr.** (Proc. 1851. p. 245. — *Ch.* ed. nov. p. 305. t. 40. f. 23. 24. — *Gray* Phan. p. 160. — *Ad* Gen. p. 291.) . . . . - - 229.

80. **laevigatus Webb et Berth.** (Coll. 228. — *Gray* Phan. p. 160. — *Ad* Gen. p. 291. — *Cyclostoma Canariense Orb.*) . . . . - - 229.

81? **saccatus Pfr.** (Coll. 229. — Proc. 1852. p. 67. — *Ch.* ed. nov. p. 337. t. 43. f. 33. 34. — *Gray* Phan. p. 161. — *Ad* Gen. p. 291.) . . . . . . - - 230.

82? **dissectus Sow.** (*Gray* Phan. p. 161. — *Ad.* Gen. p. 291.) . . . . - - 230.

83? **solidus Menke.** (*Gray* Phan. p. 161.) . . . - - 231.

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84? **gratus Pet.** (*Ch.* ed. nov. p. 253. t. 34. f. 11. 12. — *Gray* Phan. p. 162. — *Ad.* Gen. p. 291. — *Cyclostoma tricolor Pfr.*) . . . . - - 231.

§. 9.

85. **Humphreyanus Pfr.** (Coll. 230. — *Gray* Phan. p. 162. — *Ad.* Gen. p. 291. — *Licina Hum-*

*) *Turbo reflexus Linn.* ex specimine Musei Linnaeani eadem species esse affirmatur. Conf. *Hanley* Ipsa Linn. conch.

phreyana Mörch Yold. p. 40. n. 810. — *Cyclost. pictum Sow.)* . . . . Mon. p. 232.
86. **albus Sow.** (Coll. 231. — *Gray* Phan. p. 163. — *Ad.* Gen. p. 291.) . . . . - - 232.
87. **Chevalieri C. B. Ad.** (Coll. 232. — *Gray* Phan. p. 163. — *Ad.* Gen. p. 291.) . . . . - - 233.

§. 10.

88. **thysanoraphe Sow.** (Coll. 233. — *Gray* Phan. p. 163. — *Ad.* Gen. p. 291.) . . . . . - - 233.
89. **Redfieldianus C. B. Ad.** (Coll. 234. — *Ch.* ed. nov. p. 272. t. 37. f. 7. 8. — *Gray* Phan. p. 164.) - - 234.
90. **Jayanus C. B. Ad.** (Coll. 235. — *Ch.* ed. nov. p. 307. t. 40. f. 32. 33. — *Gray* Phan. p. 164. — *Ad.* Gen. p. 291. — *Trosch.* Gebiss d. Schn. p. 71. t. 4. f. 15. 16. — *Cycl. solidum Ad.* — *Cycl. histrio Pfr.* Proc. 1851. p. 247.) . . . . - - 235.
91. **Banksianus Sow.** (Coll. 236. — *Gray* Phan. p. 165. — *Trosch.* Gebiss d. Schn. p. 72. t. 4. f. 17. — *Ad.* Gen. p. 291. — *Adamsiella Banksiana Mörch* Yold. p. 41. n. 817. — *Cyclost. hyacinthinum C. B. Ad.)* . . . . - - 235.
92. **Yallahensis C. B. Ad.** † (*Gray* Phan. p. 165. — *Ad.* Gen. p. 291.) . . . . - - 236.
93. **tectilabris C. B. Ad.** (Coll. 237. — *Ch.* ed. nov. p. 339. t. 44. f. 25—27. — *Gray* Phan. p. 160. — *Ad.* Gen. p. 291.) . . . . - - 237.
94. **Bronni C. B. Ad.** (Coll. 238. — *Gray* Phan. p. 166. — *Ad.* Gen. p. 291. — *Cyclost. papillare Fér.* — Var.: *Cyclost. fusco-lineatum C. B. Ad.)* - - 237.
95. **lamellosus C. B. Ad.** (*Gray* Phan. p. 166. — *Ad.* Gen. p. 291. — Operc. *C. Banksiani* test. speciminibus Musei Brit.) . . . . - - 238.
96. **crenulosus C. B. Ad.** (*Tudora? crenulosa Pfr.* Pneum. n. 19. — *Gray* Phan. p. 178. — *Cistula cremilosa* [Tudora] *Ad.* Gen. p. 294.) . . - - 255.

97. **C.? sericinus C. B. Adams.**

T. perforata, turrita, plerumque truncata, tenuiuscula, conferte plicatula, albida, seriebus macularum et punctorum ruforum ornata; sutura crenulata; anfr. superst. 5—6 convexi, ultimus rotundatus, antice solutus; apertura verticalis, subovalis; perist. simplex, undique subfornicato-expansum, margine columellari angustiore. — Operc.? — Long. $17^1/_2$; diam. 8 mill. Ap. 6 mill. longa, $4^1/_2$ lata. (Mus. Brit.)

Cyclostoma sericinum C. B. Adams Contr. to Conch. Nr. 9. p. 156.
Cistula? sericina Pfr. Mon. Pneum. p. 278. n. 26.
— — *Gray* Cat. Phan. p. 193.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 294.

Habitat in insula Jamaica.

§. 11.

98. **Rangelinus Poey.** (Coll. 239. — *Gray* Phan. p. 168. — *Ad.* Gen. p. 291. — *Pfr.* in Malak. Bl. 1856. p. 127. — *Cyclostoma Rangelinum Poey* Memor. I. p. 98. 106. — *Ch.* ed. nov. p. 365. t. 47. f. 17—19.) . . . . Mon. p. 240.
99. **retrorsus C. B. Ad.** (Coll. 240. — *Ch.* ed. nov. p. 268. t. 36. f. 15. 16. — *Gray* Phan. p. 168. — *Ad.* Gen. p. 291.) . . . . - - 240.
100. **fallax Pfr.** (Proc. 1852. p. 65. — *Ch.* ed. nov. p. 351. t. 45. f. 21. 22. — *Cistula? fallax Pfr.* Pneum. n. 25. — *Gray* Phan. p. 192. — *Ad.* Gen. p. 294. — Operc. normale. — Long. 14—17½, diam. 6½—7½ mill. Ap intus 4½—5 mill. longa, 3⅔—4⅓ lata. Hab. St. Croix? Mus. Cuming.) . . . - - 273.

XXVI. Tudora Gray.

Pfr. Mon. Pneum. p. 243. — *Gray* Cat. Phan. p. 170. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 294: subgenus Cistulae.

Species:

A. Peristomate simplice . . . . . . §. 1. Nr. 1—14.
B. — subduplicato . . . . §. 2. Nr. 15—17.
C. — duplice . . . . §. 3. Nr. 18—27.

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§. 1.

1. **megachila Pot. et Mich.** (Coll. 241. — *Mörch* Yold. p. 40. n. 811. — *Gray* Phan. p. 170. — *Cistula megacheila* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. simile Gray*? — *C. roridum Parr.* — *C. Proteus Beck.* — Var.: *C. cancellatum Menke.*) . . . Mon. p. 243.
2. **costata Menke.** (*Gray* Phan. p. 171. — *Cistula costata* [Tudora] *Ad.* Gen. p. 294.) . . . . . . - - 244.
3. **versicolor Pfr.** (Coll. 242. — *Gray* Phan. p. 171. — *Mörch* Yold. p. 40. n. 812. — *Cistula versicolor* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. aurantium Gray, aurantiacum Sow.*) . . . . - - 244.
4. **ferruginea Lam.** (Coll. 243. — *Gray* Phan. p. 172 — *Cistula ferruginea* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. ferruginea Lam*, *Chenu* Ill. conch. t. 1. f. 4. — *Cyclost. productum Turt.* — *C. fulvum Gray.* — Conf. *Forb.* et *Hanl.* Brit. Moll. IV. p. 204. — An huc referendus *Turbo corneus Linn.*,

Dillw. II. p. 863. n. 114? — Conf. *Pfr.* Mon. Pneum. p. 315 et *Hanl.* Ipsa Linn. Conch.) . . . . . Mon. p. 245.

5. **papyracea C. B. Ad.** (Coll. 244. — *Ch.* ed. nov. p. 353. t. 46. f. 39. 40. — *Chondropoma? papyraceum Pfr.* Pneum. n. 4. — *Gray* Phan. p. 198. — *Ad.* Gen. p. 295. — Operc. normale!) . . . - - 280.

6. **fecunda C. B. Ad.** (Coll. 245. — *Ch.* ed. nov. p. 358. t. 46. f. 20. 21. — *Gray* Phan. p. 172. — *Cistula fecunda* [Tudora] *Ad.* Gen. p. 294.) . . - - 246.

7. **armata C. B. Ad.** (Coll. 246. — *Ch.* ed. nov. p. 358. t. 46. f. 24—26. — *Gray* Phan. p. 173. — *Cistula armata* [Tudora] *Ad.* Gen. p. 294.) . . - - 247.

8. **mutica C. B. Ad.** (*Gray* Phan. p. 173. — *Cistula mutica* [Tudora] *Ad.* Gen. p. 294.) . . . - - 247.

9. **T. planospira Pfr.**

T. perforata, oblongo-turrita, truncata, tenuiuscula, confertissime longitudinaliter striata, sericina, fulvo-grisea, lineis rufulis obsolete cincta; spira convexiusculo-turrita; anfr. superst. 5 vix convexiusculi, ultimus antice breviter solutus, dorso carinatus, circa perforationem vix spiraliter liratus; apertura verticalis, angulato-ovalis; perist. simplex, breviter expansum, superne subauriculatum, margine dextro superne subrepando, columellari libero, angustiore. — Operc. Tudorae norm. — Long. $14^1/_2$, diam. $6^1/_2$ mill. Ap. c. perist. $5^1/_3$ mill. longa, $3^1/_2$ lata. (Coll. Nr. 247.)

Cyclostoma planospirum (Tudora) *Pfr.* in Malak. Bl. III. 1856. p. 208.

Habitat in republica mexicana teste Poey.

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10. **maritima C. B. Ad.** (Coll. 248. — *Ch.* ed. nov. p. 281. t. 38. f. 5. 6. — *Gray* Phan. p. 173. — *Cistula maritima* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. Petrarum Rang.* — Var.: *Cycl. Aurora C. B. Ad.* — Conf. *Chitty* in Contr. to Conch. Nr. 1. p. 4.) . . . . Mon. p. 247.

11? **Tappaniana C. B. Ad.** (*Gray* Phan. p. 174. — *Cistula Tappaniana* [Tudora] *Ad.* Gen. p. 294.) - - 248.

12. **Griffithiana C. B. Ad.** (*Cistula? Griffithiana Pfr.* Pneum. n. 7. — *Gray* Phan. p. 165. — *Ad.* Gen. p. 294.) . . . . - - 264.

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13. **quaternata Lam.** (*Gray* Phan. p. 174. — *Cycl. quaternata Lam*, *Chenu* Ill. conch. t. 1. f. 3. — *Cistula quaternata* [Tudora] *Ad.* Gen. p. 294.) . Mon. p. 249.

14. **pupaeformis Sow.** (Coll. 249. — *Gray* Phan. p. 174. — *Cistula pupaeformis* [Tudora] *Ad.* Gen. p. 294.) . . . . - - 249.

§. 2.

15. **columna Wood.** (Coll 250. — *Gray* Phan. p. 175. — *Trosch.* Gebiss d. Schn. p. 71. t. 4. f. 14. — *Cistula columna* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. quinquefasciatum C. B. Ad.* — Operc. normale! — *β.* Albida vel rubella, fasciis 4 continuis nigro-fuscis eleganter circumdata.) . . . . . . Mon. p. 250.

16. **Adamsi Pfr.** (Coll. 251. — *Gray* Phan. p. 175. — *Cistula Adamsi* [Tudora] *Ad.* Gen. p 294. — — *Cyclost. crenulatum Gray.* — Operc. normale!) - - 251.

17? **Chemnitzi Wood.** (*Gray* Phan. p. 176. — *Cistula Chemnitzii* [Tudora] *Ad.* Gen. p. 294.) . - - 251.

§. 3.

18. **nobilis Pfr.** (Proc. 1852. p. 142. t. 13. f. 2. — — *Ch.* ed nov. p. 366. t. 47. f. 27 28. — *Gray* Phan. p. 176. — *Cistula nobilis* [Tudora] *Ad.* Gen. p. 294.) . . . . Mon. p. 252.

19. **fascia Wood.** (Coll. 252. — *Gray* Phan. p. 177. — *Cistula fascia* [Tudora] *Ad.* Gen. p. 294. — *β. Cyclost. proximum C. B. Ad.*) . . . . . . - - 253.

20. **Augustae C. B. Ad.** (Coll. 253. — *Ch.* ed. nov. p. 308. t. 40 f. 34. 35. — *Gray* Phan. p. 177. — *Trosch.* Gebiss d. Schn. p. 72. — *Cistula Augustae* [Tudora] *Ad.* Gen. p. 294. — *β. Cycl. nitens C. B. Ad.*) . . . . - - 253.

21. **T.? Barklyana Chitty.**

T. anguste umbilicata, oblongo-turrita, truncata, solida, confertim plicata (interstitiis transverse striatis), pallida, fusco undulato-strigata; sutura subconfertim denticulata; anfr. 5 vix convexi, ultimus basi distinctius spiraliter striatus; apertura verticalis, subelliplica; perist. album, duplex: internum continuum, expansum, adnatum, externum patens, superne et infra umbilicum auriculatum. — Operc.? — Long. 23, diam. 12 mill. Ap. intus 8 mill. longa, $5^1/_2$ lata. (Mus. Brit. et Cuming.)

Cyclostoma Barklyanum Chitty Contrib. to Conch Nr. 1. p. 3.

Habitat in insula Jamaica.

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22. **canescens Pfr.** (Proc. 1851. p. 245. — *Ch.* ed nov. p 287. t. 38. f. 36. 37. — *Gray* Phan p. 178. — *Pfr.* in Mal. Bl. 1856. p 127. — *Cistula canescens* [Tudora] *Ad.* Gen. p. 294. — *Cyclostoma confertum Pocy* Memor I p. 99 106 t 8. f. 1—3. — *Tudora? conferta Pfr.* in Malak. Bl. 1854. p. 94. — Hab. in insula Cuba.) . . . . Mon p. 255.

23? **simulans C. B. Ad.** † (*Gray* Phan. p. 179. — *Cistula simulans* [Tudora] *Ad.* Gen. p. 294.) . . Mon. p. 256.

24. **T.? pauperata C. B. Adams.**

T. subperforata, turrito-oblonga, solidula, confertissime plicato-striata, carnea; sutura minutissime serrulata; anfr. superst. 5 convexiusculi, ultimus angustior; apertura verticalis, ovalis; perist. album, duplex: internum continuum, expansum, adnatum, externum patens, superne et infra perforationem productum. — Operc.? — Long. $14^1/_2$, diam. $6^1/_3$ mill. Ap. 5 mill. longa, $3^1/_3$ lata. (Mus. Brit.)

Cyclostoma pauperatum C. B. Adams Contrib. to Conch. Nr. 1. p. 13.
Cistula? pauperata Pfr. Mon. Pneum. p. 267. n. 14.
— — *Gray* Cat. Phan. p. 188.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 294.

Habitat in insula Jamaica.

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25. **pupoides Morelet.** (Coll. 254. — *Ch.* ed. nov. p. 304. t. 40. f. 19. 20. — *Gray* Phan. p. 180. — *Pfr.* in Mal. Bl. 1856. n. 127. — *Cistula pupoides* [Tudora] *Ad.* Gen. p. 294. — Var.: *Cyclost. ovatum Pfr.* Proc. 1851. p. 246. — *Ch.* ed. nov. p. 304. t. 40. f. 21. 22. — *Tudora ovata Pfr.* Pneum. p. 256. — *Gray* Phan. p. 179. — *Trosch.* Gebiss d. Schn. p. 73. t. 4. f. 26. — *Cistula ovata* [Tudora] *Ad.* Gen. p. 294.) . . . . Mon. p. 257.

26. **Moreletiana Petit.** (Coll. 255. — *Gray* Phan. p. 180. — *Pfr.* in Mal. Bl. 1856. p. 128. — *Cistula Moreletiana* [Tudora] *Ad.* Gen. p. 294. — *Cyclost. disjunctum Mor.* — *Cyclost. Moreletianum Ch.* ed. nov. p. 278. t. 37. f. 27. 28.) . . . . - - 257.

27. **avena C. B. Adams.** (Coll. 256. — *Gray* Phan. p. 180. — *Cistula avena* [Tudora] *Ad.* Gen. p. 294.) - - 258.

XXVII. Leonia Gray.

Pfr. Mon. Pneum. p. 259. — *Gray* Cat. Phan. p. 181. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 293: subgenus Cyclostomi.

Species unica:

1. **mammillaris Lam.** (Coll. 257. — *Gray* Phan. p. 181. — *Trosch.* Gebiss d. Schn. p. 70. t. 4. f. 12. — *Cyclostomus mammillaris* [Leonia] *Ad.* Gen. p. 293. — *Cyclost. Voltzianum Mich.* — *C. laevigatum Sow.* olim. — *C. Velascoi Graells.*) . . Mon. p. 259.

Subfam. VI. Cistulea.

Operculum subovale, cartilagineum, paucispirum, nucleo excentrico. Testa globoso-conica vel ovato-turrita.

XXVIII. Cistula Gray.

Pfr. Mon. Pneum. p. 260. — *Gray* Cat. Phan. p. 182. — *Woodw.* Man. Moll. II. p. 176: subgenus Cyclostomatis. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 293: genus Cyclostominarum (excluso subgenere.)

Conspectus specierum:

A. Globoso-conicae . . . . §. 1. Nr. 1—4.
B. Ovato- vel oblongo-turritae.
  1. Anfractu ultimo adnato.
    a. Peristomate simplice . . . . §. 2. Nr. 5—8.
    b. Peristomate duplice,
      α. externo dilatato . . . . §. 3. Nr. 9—12.
      β. externo brevi . . . . . §. 4. Nr. 13—16.
  2. Anfractu ultimo antice soluto.
    a. Peristomate subsimplice . . §. 5. Nr. 17—21.
    b. Peristomate distincte duplicato,
      α. limbo externo plano . . . §. 6. Nr. 22—27.
      β. limbo externo fimbriato . §. 7. Nr. 28—34.

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§. 1.

1? **platychila Pfr.** (*Gray* Phan. p. 182. — *Ad.* Gen. p. 294. — *Cyclost. latilabre Pfr.* olim. — *Cyclost. platychilum Pfr.* in Ch. ed. nov. p. 266.) Mon. p. 261.

2. **catenata Gould.** (Coll. 258. — *Gray* Phan. p. 182. — *Ad.* Gen. p. 293. t. 86. f. 10. — *Pfr.* in Mal. Bl. 1856. p. 128. — *Trosch.* Gebiss d. Schn. p. 74. — *Cyclost. limbiferum Mke, Ch.* ed. nov. p. 290. — *C. interruptum Gould* olim.) . . . . - - 261.

Obs. Specimina typica Gouldiana peristomate expanso carent, attamen sine dubio huc referenda sunt.

3. **Agassizi Charp.** (Coll. 259. — *Ch.* ed. nov. p. 280. t. 38. f. 1. 2. — *Gray* Phan. p. 183. — *Ad.* Gen. p. 293. — *Pfr.* in Mal. Bl. 1856. p. 129. — *Gundl.* in Mal. Bl. 1857. p. 47.) . . . . . . Mon. p. 262.

4. **pleurophora Pfr.** (Proc. 1851. p. 245. — *Ch.* ed. nov. p. 299. t. 40. f. 5. 6. — *Gray* Phan. p. 183. — *Ad.* Gen. p. 294.) . . . . Mon. p. 262.

§. 2.

5. **radiosa Morelet.** (Coll. 260. — *Ch.* ed. nov. p. 275. t. 37. f. 15. 16. — *Gray* Phan. p. 184. — *Ad.* Gen. p. 294.) . . . . - - 263.
6. **Tamsiana Pfr.** (Coll. 261. — *Ch.* ed. nov. p. 276. t. 37. f. 19. 20. — *Gray* Phan. p. 184. — *Ad.* Gen. p. 294.) . . . . - - 263.
7. **Riisei Pfr.** (Coll. 262. — *Gray* Phan. p. 184. — *Ad.* Gen. p. 294. — *Cyclost. Riisei* [Cistula] *Shuttl.* Diagn. n. Moll. Nr. 7. p. 151.) . . . . - - 417.

8. **C. Antiguensis Shuttleworth.**

T. subperforata, turrito-oblonga, truncata, liris spiralibus obtusis, plicisque confertioribus illas transgredientibus, subfasciculatis sculpta, albida, lineis obsoletis rufis interruptis cincta; sutura irregulariter nodoso-crenata; anfr. superst. 5 modice convexi, ultimus non solutus; apertura verticalis, ovalis; perist. simplex, vix adnatum, superne angulatum, undique breviter expansum. — Operc. typicum. — Long. 12, diam. 5½ mill. Ap. 4 mill. longa, 3⅓ lata. (Coll. Nr. 263.)

Cyclostoma Antiguense Shuttl. in Mus. Cuming.

Habitat in insula Antigua.

§. 3.

9. **Gruneri Pfr.** (*Gray* Phan. p. 185. — *Ad.* Gen. p. 294.) . . . . Mon. p. 264.
10. **pallida Pfr.** (Coll. 264. — Proc. 1851. p. 248. — *Ch.* ed. nov. p. 310. t. 41. f. 3—6. — *Gray* Phan. p. 186. — *Ad.* Gen. p. 294. — *Pfr.* in Mal. Bl. 1856. p. 129.) . . . . - - 265.
11. **Küsteri Pfr.** (Coll 265. — Proc. 1851. p. 249. — *Ch.* ed. nov. p. 312. t. 41. f. 9. 10. — *Gray* Phan. p. 186. — *Ad* Gen. p. 294.) . . . . . . - - 265.
12. **radula Pfr.** (Proc. 1851. p. 246. — *Ch.* ed. nov. p. 314. t. 41. f. 13. 14. — *Gray* Phan. p. 186. — *Ad.* Gen. p. 294. — *Pfr.* in Mal. Bl. 1856. p. 129.) - - 266.

§. 4.

13. **C.? sagittifera C. B. Adams.**

T. umbilicata, ovato-turrita, truncata, striis elevatis longitudinalibus et transversis minute decussata, nitidula, palli-

dissime cornea, lineis rufis angulosis sagittata; sutura simplex; anfr. superst. 4 convexi, ultimus non solutus; apertura verticalis, angulato-ovalis; perist. duplex: internum continuum, breviter expansum, subadnatum, externum dilatatum, patens, superne cucullatum, latere sinistro flexuosum. — Operc.? — Long. 21, diam. 11 mill. Ap. $8\frac{1}{2}$ mill. longa, 6 lata. (Mus. Brit.)

Cyclostoma sagittiferum C. B. Ad. Contr. to Conch. Nr. 8. p. 137.
Cistula? sagittifera Pfr. Mon. Pneum. p. 266. n. 12.
— — *Gray* Cat. Phan. p. 187.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 294.

Habitat in insula Jamaica.

14. **C. illustris Poey.**

T. vix perforata, oblongo-turrita, solidula, lineis elevatis spiralibus et costis confertioribus acutiusculis anguste reticulata, fulvida, strigis et fasciis rufis, interruptis ornata; spira regulariter attenuata, apice obtusa, plerumque truncata; sutura albo-crenata; anfr. (testae integrae 8) superst. 5 convexi, regulariter accrescentes, ultimus basi distinctius spiraliter sulcatus; apertura verticalis, oblique ovalis; perist. album, duplex: internum expansiusculum, adnatum, externum continuum, dilatatum, expansum, superne angulatim productum, ad anfractum contiguum angustatum. — Operc. normale Cistulae. — Long. testae integrae 17, truncatae 15, diam. 6 mill. Ap. intus 4 mill. longa, $3\frac{1}{2}$ lata. (Coll. Nr. 266.)

Cyclostoma truncatum Pfr. in Zeitschr. f. Malak. 1847. p. 105. Nec Wiegm.
— — *Chemn.* ed. nov. p. 118. t. 14. f. 20. 21.
— *Candeanum Sow.* Thes. t. 31. f. 283. 284. Nec Orb.
— *Delatreanum Poey* Memor. I. p. 393, et in litt.
— *illustre Poey* in litt. 1856. et Mem. II. p. 33. (Jul. 1857.)
Cistula Candeana Pfr. Mon. Pneum. p. 267. n. 13.
— — *Gray* Cat. Phan. p. 187.
— — *H.* et *A. Adams* Gen. II. p. 294.
— — *Trosch.* Gebiss d. Schn. p. 75. t. 5. f. 1.
— *Delatreana Pfr.* in Malak. Bl. 1855. p. 85. III. 1856. p. 129.
— *illustris Pfr.* in Malak. Bl. IV. 1857. p. 116.

Habitat in insula Cuba. Prope Matanzas ipse legi, prope Trinidad amicus Gundlach.

Obs. Species a Cl. Sowerby et me ipso antea cum *C. Candeano Orb.* confusa, tum suadentibus Cl. Poey et speciminibus Musei Britannici (operculo destitutis) nomine *C. Delatreani Orb.* designata, nunc detecta specie omnino (etiam quoad operculum) Orbignyanae congrua, nomine novo donata. Conf. *Chondropoma Delatreanum.*

15. **C. rufilabris Beck.**

T. subimperforata, ovato-oblonga, solidula, breviter truncata, liris spiralibus subconfertis costulisque confertioribus subargute clathrata, pallide fulva, lineis interruptis brunneis saepe picta; anfr. superst. $4^1/_2$ convexiusculi, ultimus antice adnatus, nigricans, subascendens, basi remotius liratus; apertura oblique ovalis, basi axin excedens; perist. duplex: internum breviter expansum, nigro-violaceum, externum utrinque, prope insertionem dilatatum, patens. — Operc. tenue, lamina externa vix prominente, nucleo parum excentrico. — Long. 12, diam. 6 mill. Ap. $4^1/_2$ mill. longa, $3^1/_2$ lata. (Coll. Nr. 267.)

Cyclostoma rufilabrum Beck mss. in Coll. Ferussaciana.
— — *Pot.* et *Mich.* Gal. Douai. I. p. 241. n. 19. t. 24. f. 20. 21.
— — *Sow.* Thes. n. 45. p. 106. t. 24. f. 61.
— *bilabre Menke* Moll. Nov. Holl. p. 8. n. 18.
— — *Chemn.* ed. nov. p. 52. t. 6. f. 22. 23.
Cistula rufilabris Gray Catal. Cycloph. p. 59. n. 9.
— ? *bilabris Pfr.* Mon. Pneum. p. 268. n. 15.
— — *Gray* Cat. Phan. p. 188.
— — *H.* et *A. Adams* Gen. rec. Moll. II, p. 293.
Tudora rufilabrum Mörch Cat. Yold. p. 40. n. 813.

Habitat frequens in arboribus Hippomanes Mancinellae in insula Saint-Croix Indiae occidentalis (A. H. Riise). Conf. *Pfr.* in Malak. Bl. 1855. p. 101.

Obs. Variat statura multo minore. Peristoma juniorum simplex, breviter expansum, rufo-radiatum.

16. **? acerbula Mor.** † (*Cyclost. acerbulum Pfr.* Pneum., *Gray* Phan. p. 225.) . . . . Mon. p. 420.

§. 5.

17. **? lugubris Pfr.** (Proc. 1851. p. 249. — *Ch.* ed. nov. p. 312. t. 41. f. 11. 12. — *Gray* Phan. p. 188. — *Ad.* Gen. p. 294.) . . . . Mon. p. 269.

18. **mordax C. B. Ad.** (Coll. 268. — *Ch.* ed. nov. p. 359. t. 46. f. 31. 32. — *Gray* Phan. p. 189. — *Ad.* Gen. p. 294. — Operc. normale!) . . . . - - 269.

19. **C. inculta Poey.**

T. subperforata, turriculata, solidula, spiraliter minute striata, nitidula, luteo-albida, lineis interruptis fusculis obsolete cincta; spira oblongo-turrita, late truncata; sutura confertim

dentata; anfr. superst. $4^1/_2$ convexi, ultimus angustior, antice solutus, dorso carinatus; apertura subverticalis, angulato-ovalis, perist. simplex, undique aequaliter patens, superne angulatim subproductum. — Operc. typicum Cistulae, nucleo parum excentrico. — Long. 19, diam. 8 mill. Ap. intus 5 mill. longa. (Coll. Nr. 269.)

Cyclostoma incultum Poey Memor. I. p. 98. 106. t. 8. f. 4. 5.
Chondropoma incultum Pfr. in Malak. Bl. I. 1854. p. 96. III. 1856. p. 130.
Cistula inculta Pfr. in Malak. Bl. IV. 1857. p. 116.

Habitat prope Trinidad insulae Cubae (Gundlach).

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20. **lineolata Lam.** (Coll. 270. — *Gray* Phan. p. 189. — *Ad.* Gen. p. 294. — *Cyclost. lineolata Lam., Chenu* Ill. conch. t. 1. f. 8. — Hab. Portorico: Riise.) . . . . Mon. p. 270.
21. **Thoreyana Phil.** (Coll. 271. — *Ch.* ed. nov. p. 337. t. 43. f. 28—30. — *Gray* Phan. p. 190.— *Ad.* Gen. p. 294.) . . . . - - 270.

§. 6.

22? **rostrata Pfr.** (Coll. 272. — Proc. 1852. p. 66. — *Ch.* ed. nov. p. 335. t. 43. f. 26. 27. — *Gray* Phan. p. 190. — *Ad.* Gen. p. 294.) . . . . . Mon. p. 271.
23? **ambigua Lam.** † (*Gray* Phan. p. 190. — *Ad.* Gen. p. 293. — *Cyclost. interrupta Deless., Chenu* Ill. conch. t. 1. f. 2.) . . . . - - 271.
24. **Grateloupi Pfr.** (Coll. 273. — Proc. 1851. p. 246. — *Ch.* ed. nov. p. 306. t. 40. f. 28—31. — *Gray* Phan. p. 191. — *Ad.* Gen. p. 294.) . . . - - 272.
25. **Largillierti Pfr.** (Coll. 274. — *Gray* Phan. p. 192. — *Ad.* Gen. p. 294.) . . . . - - 273.

26. C. rigidula Morelet.

T. subperforata, oblongo-turrita, plerumque truncata, tenuiuscula, longitudinaliter et regulariter lamelloso-costata, corneo-grisea, lineis 4—5 rubigineis, subinterruptis cincta; spira (in integris) conico-turrita, apice laeviusculo [Morelet]; anfr. (7, post truncationem) 4 perconvexi, ultimus gracilior, solutus, deorsum magis minusve protractus; apertura verticalis, fere circularis; perist. duplex: internum vix porrectum, externum patens, concentrice striatum, superne in auriculam concavam productum, margine sinistro obsoletissime undulato. — Operc. normale, immersum. — Long. testae integrae 12, truncatae 10, diam. $4^2/_3$ mill. Ap. intus $2^1/_2$ mill. diam. (Coll. Nr. 275.)

Cyclostoma rigidulum Morelet Testac. noviss. II. p. 18. n. 126.
Cistula? rigidula Pfr. Mon. Pneum. p. 418.
— — *Gray* Cat. Phan. p. 191.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 294.

Habitat in provincia Vera Paz Guatemalae.

Obs. „Testa magnitudine pervariabilis." (Mor.) — Proxime affinis videtur *Cistulae dislocatae Baird.*

27. **C.? procax Poey.**

T. perforata, turrita, tenuis, costis confertis chordaeformibus sculpta, pallide cornea, rufo seriatim maculata; spira integra, acutiuscula; sutura subsimplex; anfr. 9 perconvexi, ultimus rotundatus, antice solutus, dorso carinatus; apertura verticalis, angulato-subovalis; perist. tenerum, duplex: internum breviter porrectum, latere sinistro leviter, dextro valde arcuatum, externum breviter expansum. — Operc.? — Long. 11, diam. 4 mill. Ap. $2^2/_3$ mill. longa. (Mus. Poey.)

Cyclostoma procax Poey Memor. I. p. 104. 106. t. 7. f. 12—14.
Cistula? procax Pfr. in Malak. Bl. 1854. p. 95. 1856. p. 130.

Habitat in insula Cuba.

§. 7.

28? **confusa Pfr.** (*Gray* Phan. p. 193. — *Ad* Gen. p. 294. — *Cyclost. Delatreanum Pfr.* in *Ch.* ed. nov. p. 119. t. 14. f. 22. 23.) . . . . Mon. p. 274.
29. **Sauliae Sow.** (Coll. 276. — *Gray* Phan. p. 194. — *Ad.* Gen. p. 294.) . . . . - - 275.
30. **trochlearis Pfr.** (Coll. 277. — *Ch.* ed. nov. p. 311. t. 41. f. 7. 8. [imperfect.] — *Gray* Phan. p. 194. — *Ad.* Gen. p. 294. — *Cyclost. trochlea Pfr.* in Proc. 1851. p. 249. — Operc. normale! Hab. Chiapa reipubl. mexicanae teste Ghiesbreght.) . . - - 275.
31. **Shepardiana C. B. Ad.** (Coll. 278. — *Ch.* ed. nov. p. 286. t. 38. f. 40—45. — *Gray* Phan. p. 195. — *Ad.* Gen. p. 294.) . . . . - - 276.
32. **dislocata Baird.** (*Gray* Phan. p. 195. — *Ad.* Gen. p. 294.) . . . . - - 277.
33. **scabrosa Humphr.** (*Gray* Phan. p. 195. — *Ad.* Gen. p. 294.) . . . . - - 277.
34. **cinclidodes Pfr.** (Coll. 279. — Proc. 1852. p. 142. — *Ch.* ed. nov. p. 369. t. 47. f. 25. 26. — *Gray* Phan. p. 196. — *Ad.* Gen. p. 294.) . . . - - 277.

XXIX. Chondropoma Pfr.

Pfr. Mon. Pneum. p. 278. — *Gray* Cat. Phan. p. 196. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 295: genus Cyclostominarum.

Conspectus specierum.

A. Peristomate simplice
 1. tenui
  a. late expanso . . . . . . §. 1. Nr. 1.
  b. breviter vel vix expanso . . §. 2. Nr. 2—15.
 2. subincrassato brevi . . . . . §. 3. Nr. 16—23.
B. Peristomate subduplicato . . . . §. 4. Nr. 24—32.
C. Peristomate duplice.
 1. Umbilico aperto.
  a. Limbo externo brevi . . . §. 5. Nr. 33—48.
  b. Limbo externo late expanso . §. 6. Nr. 49—52.
 2. Umbilico lamina dilatato magis minusve clauso . . . . . . §. 7. Nr. 53—58.

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§. 1.

1. **magnificum Sallé**. (*Pfr.* Proc. 1852. p. 142. t. 13. f. 3. — *Ch.* ed. nov. p. 365. t. 47. f. 20—22. — *Gray* Phan. p. 197. — *Ad.* Gen. p. 295.) . . Mon. p. 278.

§. 2.

2. **plicatulum Pfr.** (Coll. 280. — *Gray* Phan. p. 197. — *Ad.* Gen. p. 295.) . . . . Mon. p. 279.

3. **Ch.? Venezuelense Pfr.**

T. subperforata, turrita, truncata, tenuis, longitudinaliter capillaceo-striata, haud nitens, diaphana, fulvida, fasciis circa 6 angustis, rufis, interdum obsoletis ornata; sutura subdenticulata; anfr. superst. $5^1/_2$ convexi, ultimus antice brevissime solutus, basi liris nonnullis spiralibus circa perforationem punctiformem munitus; apertura verticalis, subirregulariter ovalis, intus concolor; perist. simplex, superne in auriculam angulatam productum, marginibus dextro et basali breviter expansis, sinistro angusto, adnato. — Operc.? — Long. $17^1/_2$, diam. 7 mill. Ap. c. perist. 6 mill. longa, 5 lata. (Coll. Nr. 281.)

Cyclostoma Venezuelense (Chondropoma?) *Pfr.* in Proc. Zool. Soc. 1853. p. 52.

Chondropoma Venezuelense Pfr. in Malak. Bl. 1854. p. 95.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 296.

Habitat in Venezuela.

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4. **Salléanum Pfr.** (Coll. 282. — *Ch.* ed. nov. p. 274. t. 34. f. 13. 14. 17. 18. — *Gray* Phan. p. 197. — *Ad.* Gen. p. 295.) . . . . Mon. p. 279.

5. **Ch. dissolutum Pfr.**

T. perforata, oblongo-turrita, truncata, tenuiuscula, longitudinaliter minutissime striata, spiraliter confertim lirata, diaphana, nitidula, pallide cornea, lineis interruptis vel integris rufis picta, vel violaceo-fusca, saturatius marmorata; spira regulariter attenuata, late truncata; sutura minute crenulata; anfr. superst. 4—4$^1/_2$ convexiusculi, ultimus antice breviter solutus, dorso angulatus; apertura subverticalis, oblique angulato-ovalis; perist. continuum, tenue, undique breviter expansum, latere dextro regulariter, sinistro levius arcuato. — Operc. *Ch. picti.* — Long. 20$^1/_2$, diam. 9 mill. Ap. 8 mill. longa 5 lata. (Coll. Nr. 283.)

Cyclostoma dissolutum (Chondropoma) *Pfr.* in Malak. Bl. I. 1854. p. 158.
Chondropoma dissolutum Pfr. Novit. conch. I. p. 95. n. 162. t. 26. f. 12—16.
— — *Pfr.* in Malak. Bl. 1856. p. 130.

Habitat „Isla de Pinos“ prope Cubam (Gundlach).

6. **Ch. revinctum Poey.**

T. perforata, oblongo-turrita, tenuiuscula, lineis elevatis spiralibus et longitudinalibus confertis subreticulata, nitidula, corneo-albida, fusco-strigata vel confertim et interrupte circumlineata; spira turrita, vix truncatula; sutura minute denticulata; anfr. superst. 6 vix convexiusculi, ultimus teres, antice non solutus; apertura vix obliqua, subelliptico-ovalis, basi effusa; perist. simplex, continuum, breviter adnatum, ad anfr. penultimum sinuatum, anguste expansum, superne angulatum, basi castaneo-radiatum. — Operc. tenuissimum, flavidum. — Long. 17$^1/_2$, diam. 8 mill. Ap. c. perist. 6 mill. lata. (Coll. Nr. 284.)

Cyclostoma revinctum Poey Memor. I p. 99. 106. t. 5. f. 24—27.
Chondropoma revinctum Pfr. in Malak. Bl. 1854. p. 96. 1856. p. 130.

Habitat „Punta de San Juan de los Perros“ et prope Manzanillo insulae Cubae (Gundlach).

7. **Loweanum Pfr.** (Coll. 285. — Proc. 1852. p. 142. — *Ch.* ed. nov. p. 367. t. 47. f. 15. 16. — *Gray* Phan. p. 198. — *Ad.* Gen. p. 295.) . . . . Mon. p. 281.
8. **eusareum Pfr.** (Coll. 286. — Proc. 1852. p. 143. — *Ch.* ed. nov. p. 369. t. 48. f. 1. 2. — *Gray* Phan. p. 199. — *Ad.* Gen. p. 295.) . . . . . - - 281.
9. **litturatum Pfr.** (Coll. 287. — *Ch.* ed. nov. p. 276. t. 37. f. 21. 22. — *Gray* Phan. p. 199. — *Ad.* Gen. p. 295.) . . . . - - 281.
10. **Cumanense Pfr.** (Coll. 288.— *Pfr.* in Proc. 1851. p. 248. — *Ch.* ed. nov. p. 315. t. 41. f. 18. 19.— *Gray* Phan. p. 199. — *Ad.* Gen. p. 295. — Specimina non truncata anfr. 7 instructa.) . . . . . - - 282.
11? **vespertinum Mor.** † (*Gray* Phan. p. 200. — *Ad.* Gen. p. 296.) . . . . - - 418.
12. **Poeyanum Orb.** (Coll. 289. — *Pfr.* in Malak. Bl. 1856. p. 131. — *Trosch.* Gebiss d. Schn. p. 71. t. 4. f. 13. — *Cyclost. Poeyana Orb.* Cub. I. p. 264. t. 22. f. 24—27. — *Turbo elongatus Wood?* — *Cyclost. elongatum Sow.* Thes. f. 64? — *Chondropoma elongatum Pfr.* Pneum. n. 9.—*Gray* Phan. p. 200. — *Ad.* Gen. p. 295. — Excludantur *Cycl. elongatum Pfr.* in *Chemn.* ed. nov., nec non *C. Poeyanum Pfr.* in Chemn. ed. nov. et Mon. Pneum.) - - 282.
13. **simplex Pfr.** (Coll. 290. — Proc. 1852. p. 143. — *Ch.* ed. nov. p. 368. n. 393. t. 47. f. 23. 24.— *Gray* Phan. p. 201. — *Ad.* Gen. p. 295.) . . . - - 283.

14. Ch.? puncticulatum Pfr.

T. anguste perforata, ovato-oblonga, truncata, liris spiralibus levibus, costulisque illas transgredientibus confertissimis sculpta, cereo-albida, seriebus spiralibus punctulorum ruforum ornata; spira subturrita; sutura eleganter et subremote dentata; anfr. superst. 4 modice convexi, regulariter accrescentes, ultimus antice solutus, dorso carinatus, infra medium lineis nonnullis rufis cinctus; apertura verticalis, subelliptica, superne angulata, basi subeffusa; perist. simplex, continuum, undique breviter expansum. — Operc.? — Long. 10, diam. 5 mill. Ap. 4 mill. longa. 3 lata. (Mus. Cuming.)

Cyclostoma puncticulatum (Chondropoma?) *Pfr.* in Proc. Zool. Soc. 1854. p. 128.

Habitat in India occidentali.

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15. Ch.? argutum Pfr.

T. subrimata, subcylindracea, decollata, costis spiralibus argute elevatis, subdistantibus munita (interstitiis confertissime

longitudinaliter striatis), fulva; anfr. superst. $4^1/_2$ subaequales, convexi, sutura profunda, subcanaliculata separati; apertura parvula, oblique ovalis, superne angulata; perist. continuum, simplex, rectum, superne breviter superstructum. — Operc.? — Long. 13, diam. 6 mill. (Coll. Gruner.)

Cyclostoma elongatum Pfr. in Chemn. ed. nov. p. 84. n. 79. t. 10. f. 19. 20. Nec Wood.
Chondropoma elongatum β? Pfr. Mon. Pneum. p. 283.

Habitat . . . ?

Obs. Simile *Ch. obeso Mke*, a quo differt anfractibus convexis, fere aequilatis, liris argutis, remotioribus, apertura parvula et peristomate simplice.

§. 3.

16. **semilabre Lam.** (Coll. 291. — *Chenu* Ill. conch. t. 1. f. 1. — *Ch.* ed. nov. p. 271. — *Gray* Phan. p. 203. — *Ad.* Gen. p. 295. t. 86. f. 11. — Species dubia quoad identitatem cum Lamarckiana.) . . . Mon. p. 286.
17. **pictum Pfr.** (Coll. 292. — *Gray* Phan. p. 201. — *Mörch* Yold. p. 41. n. 818. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 131. — *Trosch.* Gebiss d. Schn. p. 73. — *Cyclost. Sagra Orb.* — *C. Mahogani Gould.* — *β. Cyclostoma Gouldianum Poey* Memor. I. p. 419.) . . . . - - 283.

18. Ch. laetum Gutierrez. †

„Testae forma, umbilico, apertura, peritremate et colore *Ch. picto* simile. Differt sculptura, quae etiam distincta est in *Ch. moesto.* Testa eleganter ornatur striis transversis confertis, decussata costis distantibus spiralibus, circa umbilicum fortioribus, intersectionibus elevatis, nitidis; sutura remote albocrenulata. — Operc. laeve. — Long. 9, diam. maj. 9, min. 8 mill.“ (Poey.)

Cyclostoma laetum Gutierrez mss.
— — *Poey* Memor. II. p. 33. t. 4. f. 1.

Occurrit ad portum Jibara insulae Cubae.

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19. **moestum Shuttl.** (Coll. 293. — *Pfr.* in Malak. Bl. 1854. p. 97. 1856. p. 132. — *Cyclost. Poeyanum Pfr.* in *Ch.* ed. nov. p. 270. t. 36. f. 26. 27. — *Chondrop. Poeyanum β Pfr.* Pneum. n. 12. — *Cyclost. Hellenicum Gray.* — Var.: *Cycl. Charpentieri Shuttl.*) . . . . Mon. p. 284.

20. **Ch. decurrens Poey.**

„Testa perforata, ovato-turrita, truncata, solida, costispiralibus, nonnullis ad suturam alternis minoribus, scabriuscula, subnitida, carneo-fusca, fasciis interruptis rufis cingulata; sutura simplex; anfr. superst. 4 convexiusculi, priores lineis elevatis remotis irregulariter decussati, ultimus subascendens, basi anguste perforatus; apertura verticalis, angulato-ovalis; peritr. continuum, anfr. contiguo adnatum, album, expansiusculum, margine columellari subduplicato, vix dilatato, dextro simplice. — Operculum subcartilagineum, planum, anfr. paucis, rapide accrescentibus, nucleo valde excentrico. — Long. 15, diam. 8 mill.“ (Poey. — Coll. Nr. 294.)

Cyclostoma decurrens Poey Memor. II. p. 23.

— *Poeyanum var. Chemn.* ed. nov. t. 36. f. 22—25.

Chondropoma Poeyanum α et γ *Pfr.* Mon. Pneum. p. 284. n. 12.

Habitat in insula Cuba.

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21. **obesum Menke.** (Coll. 295. — *Gray* Phan. p. 202. — *Ad* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 132. — *Trosch.* Gebiss d. Schn. p. 73.) . . . Mon. p. 285.

22. **dentatum Say.** (Coll. 296. — *Gray* Phan. p. 203. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 132. — *Cyclost. dentatum Say, Binn.* Terr. Moll. Un. St. II. p. 348. t. 72 a. — *C. crenulatum Pfr.* olim. — *C. Auberiana Orb., Aubereanum Sow., lunulatum Mörch.*) . . . . - - 286.

23. **Ch. Swifti Shuttleworth.**

T. perforata, ovato-conica, truncatula, obtuse decussata, pallide fusca, interrupte violaceo-plurizonata, nitida; spira regulariter attenuata; sutura minute papilloso-crenulata; anfr. superst. 5 convexi, ultimus subinflatus, antice solutus; apertura vix obliqua, subovalis; perist. simplex, fusco-punctatum, incrassatulum, sed non expansum, superne acute angulatum. — Operc. cartilagineum, pauce spiratum, anfr. rapide accrescentibus, nucleo excentrico. — Long. 15, diam. 7; apert. 5 mill. longa. (Coll. Nr. 297.)

Cyclostoma Swifti (Chondropoma) *Shuttl.* Diagn. n. Moll. Nr. 7. p. 151.

Habitat prope Ponce insulae Portorico (Swift).

Obs. „*C. Blauneri Shuttl.* affine, sed bene distinctum.“

§. 4.

24. **Ch. Blauneri Shuttleworth.**

T. subperforata, ovato-turrita, truncatula, tenuiuscula, con-

fertissime costulato-striata, lineisque spiralibus obtusis inconspicue subdecussata et nodulosa, violaceo-fusca, lineis flexuosis, vel maculis curvatis, seriatis, saturatioribus plurizonata, non nitens; spira regulariter attenuata; sutura confertim papilloso-crenulata; anfr. superst. $5^1/_2$ convexiusculi, ultimus antice breviter solutus; apertura parum obliqua, subovalis; perist. subduplex, pallidum, obscure fusco-punctatum, internum vix leviter porrectum, externum anguste patens, superne brevissime angulato-productum. — Operc. norm. — Long. 20, diam. 8 mill. Ap. 6 mill. longa. (Coll. Nr. 298.)

Cyclostoma Blauneri (Chondropoma) *Shuttl.* Diagn. n. Moll. Nr. 7. p. 151.

Habitat prope Humacao insulae Portorico (Blauner).

Obs. „Forma, sculptura et pictura *C. decussato* satis simile, sed operculo et peristomate optime distinctum."

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25. **hemiotum Pfr.** (Coll. 299. — Proc. 1852. p. 143. — *Ch.* ed. nov. p. 370. t. 48. f. 3. 4. — *Gray* Phan. p. 204. — *Ad.* Gen. p. 295.) . . . . . Mon. p. 288.

26. **Ch. Newtoni Shuttleworth.** †

„Testa subperforata, elongato-oblongo-turrita, truncatula, solidula, confertim costulata, lineisque spiralibus obscuris obtuse decussata, pallide cornea, punctis fuscis seriatis remote ornata, sine nitore; spira regulariter attenuata; sutura confertim papilloso-crenulata; anfr. superst. 5, convexiusculi, ultimus breviter adnatus; apertura verticalis, suborbicularis; perist. duplex, albidum, internum vix porrectum, externum latiuscule patens, ad anfractum penultimum truncatum, superne angulatim et breviter auriculatum. -- Operc.? -- Alt. 13, diam. 5; apert. intus 4 mill. longa." (Sh.)

Cyclostoma Newtoni (Chondropoma?) *Shuttl.* Diagn. n. Moll. Nr. 7. p. 152.

Habitat prope Arecibo insulae Portorico (Newton).

Obs. „*C. hemioto Pfr.* forsan affine, sed bene distinctum."

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27. **Newcombianum C. B. Ad.** (Coll. 300. — *Gray* Phan. p. 204. — *Ad.* Gen. p. 295 — *Trosch.* Gebiss d. Schn. p. 73. — *Cyclost. Newcombianum* *Ch.* ed. nov. p. 278. — *Bland* in Ad. Contr. to Conch. Nr. 11. p. 216. — *Shuttl.* Diagn. Nr. 7. p. 152. — *Cyclost. Troscheli Pfr.* olim. — *C. Swiftianum Newc.*) . . . . Mon. p. 288.

28. **Ch. Tortolense Pfr.**

T. rimato-perforata, ovato-turrita, truncata, liris spiralibus inaequalibus, costulisque confertis illas transgredientibus, varices irregulares simulantibus decussata, albido-cornea, lineis rufis angulosis strigata; spira subregulariter attenuata; sutura albido fasciculatim crenulata; anfr. superst. $4^1/_2$ parum convexi, ultimus antice solutus, dorso carinatus, infra medium fascia rufa notatus; apertura verticalis, angulato-ovalis; perist. subduplicatum, externum superne angulatum, latere dextro breviter expansum, sinistro dilatatum, undulatum. — Operc. cartilagineum, nucleo magis excentrico quam in *Ch. Newcombiano*. — Long. 15, diam. 7 mill. Ap. intus 5 mill. longa, 4 lata. (Coll. Nr. 301.)

Chondropoma Tortolense Pfr. in Malak. Bl. IV. 1857. p. 158.

Habitat in insula Tortola (Riise).

Obs Differt a praecedente operculo, peristomate undulato, etc.

29. **Ch.? angustatum Pfr.**

T. vix perforata, oblongo-turrita, truncata, solidula, liris spiralibus costisque confertioribus obtuse clathrata, fulvo-lutea, fasciis interruptis castaneis picta; spira convexo-turrita; sutura confertim et acute crenata; anfr. superst. $4^1/_2$ convexiusculi, ultimus angustatus, basi confertius spiraliter sulcatus, antice vix solutus; apertura verticalis, ovali-rotundata; perist. subduplicatum, undique breviter expansum, superne subangulatum. — Operc.? — Long. 16, diam. 7 mill. Ap. 5 mill. longa, $4^1/_3$ lata. (Mus. Cuming.)

Cyclostoma angustatum (Chondropoma?) *Pfr.* in Proc. Zool. Soc. 1854. p. 128.

Chondropoma? angustatum Pfr. in Malak. Bl. 1854. p. 97.

Habitat . . . ?

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30? **turritum Pfr.** (Proc. 1851. p. 248. — *Ch.* ed. nov. p. 310. t. 41. f. 1. 2. — *Gray* Phan. p. 205. — *Ad.* Gen. p. 296.) . . . . Mon. p. 289.

31. **crenulatum Fér.** (Coll. 302. — *Gray* Phan. p. 205. — *Ad.* Gen. p. 295. — *Cyclost. nodulosum Gray* olim, *Jay* Catal. 1850. p. 258. — *C. Guadeloupense Pfr.*) . . . . - - 289.

32? **diaphanum Pfr.** (Proc. 1851. p. 248. — *Ch.* ed. nov. p. 309. t. 40. f. 36. 37. — *Gray* Phan. p. 205. — *Ad.* Gen. p. 295.) . . . . - - 290.

§. 5.

33. **violaceum Pfr.** (Coll. 303. — *Pfr.* in Malak. Bl. 1857. p. 115. — *Cyclost. violaceum Pfr.* in Proc.

1851. p. 245. — *Ch.* ed. nov. p. 306. t. 40. f. 25 —27. — *Tudora violacea Pfr.* Mon. n. 414. — *Gray* Phan. p. 177. — *Pfr.* in Mal. Bl. 1856. p. 127. — *Cistula violacea* [Tudora] *Ad.* Gen. p. 294. — Operc. cartilagineum *Ch. picti.* — Variat magnitudine, nec non colore pallide fulvido, interrupte rufo-strigato; margo peristomatis sinister magis minusve dilatatus, interdum umbilicum omnino occultans. — Habitat prope Trinidad insulae Cubae: Gundlach.) . . . . Mon. p. 252.

34. **blandum Pfr.** (Proc. 1852. p. 143. — *Ch.* ed. nov. p. 367. t. 47. f. 13. 14. — *Gray* Phan. p. 206. — *Ad.* Gen. p. 295.) . . . . - - 290.

35? **jucundum Pfr.** (Proc. 1852. p. 66. — *Ch.* ed. nov. p. 352. t. 46. f. 36. 37. — *Gray* Phan. p. 206. — *Ad.* Gen. p. 295.) . . . . - - 290.

36. Ch. Delatreanum Orbigny.

T. subperforata, oblongo-turrita, costulis longitudinalibus et liris spiralibus subregulariter reticulata, haud scabra, pallide fulva (interdum violaceo tincta), fasciis angustis, interruptis, rufis ornata; spira elongata, sublate truncata; sutura nodulis albis dentiformibus crenata; anfr. superst. 5 convexiusculi; apertura verticalis, angulato-ovalis; perist. duplex: internum expansiusculum, adnatum, externum anguste patens, superne subauriculatum, latere sinistro angustatum. — Operc. cartilagineum, tenuissimum, laeve. — Long. 14—15, diam. 5—6 mill. Ap. 4 mill. longa, $3^1/_3$ lata. (Coll. Nr. 304.)

Cyclostoma Delatreana Orb. Moll. Cub. I. p. 262.
— *Dutertreana Orb.* ib. t. 22. f. 18—20.
— *Dutertreanum Petit* Journ. Conch. 1850. p. 47.
Cistula Delatreana Gray Cat. Cycloph. p. 59. n. 8.
Chondropoma? Delatreanum Pfr. Mon. Pneum. p. 293. n. 28.
— — *Gray* Cat. Phan. p. 208.
— — *H.* et *A. Adams* Gen. II. p. 295.
— — *Pfr.* in Malak. Bl. IV. 1857. p. 115.

Habitat in insula Cuba. Prope Cienfuegos et Trinidad legit Gundlach.

Obs. Species deficiente operculo vix anfractibus minus convexis a *Cistula illustri Poey* distinguenda! Etsi specimina Orbignyana e parte occidentali insulae Cubae (Cusco) proveniant, ubi species supra descripta nondum lecta est, et facile suspicari possimus, descriptionem operculi »*lisse en dessus*« ex confusione operculorum *Chondropomatis sericati Mor.* (*pudici Orb.*) et illius speciei, quae in parte occidentali frequentissima est, ortam esse, tamen nomen Orbignyanum pro specie descriptioni Auctoris omnibus notis congrua adhibendum videtur. Conf. *Cistula illustris Poey.*

37. **Ch. Pfeifferianum Poey.**

T. anguste perforata, oblongo-turrita, truncata, tenuis, liris spiralibus obtusis, confertis sculpta, nitidula, pallidissime fulvicans vel lilaceo-fulva, strigis et fasciis rufis interruptis varie litturata; spira subrectilinearis, breviter truncata; sutura irregulariter crenulata; anfr. superst. 4 vix convexi, regulariter accrescentes; apertura subverticalis, ovalis, superne angulata; perist. breviter adnatum, duplex: internum continuum, subexpansum, externum lateribus columellari et basali dilatatum, horizontaliter patens, dextro obsoletum. — Operc. *Ch. picti.* — Long. 15, diam. $7^1/_2$ mill. Ap. 7 mill. longa, intus medio $4^2/_3$ lata. (Coll. Nr. 305.)

Cyclostoma Pfeifferianum Poey in litt. et Memor. I. p. 419.
— — *Chemn.* ed. nov. p. 374. n. 402. t. 48. f. 38—40.
Chondropoma Pfeifferianum Pfr. in Malak. Bl. 1854. p. 97. 1856. p. 132.

Habitat Camoa insulae Cubae (Gundlach).

Obs Species *Ch. picto* similis, anfractibus minus convexis, sutura subcrenulata et peristomate duplice discrepans.

38. **Ch. perlatum Gundlach.**

T. perforata, oblongo-turrita, truncata, tenuis, striatula et subvaricosa, liris spiralibus compressis, subdistantibus munita, diaphana, pallide fulvida, strigis interruptis rufis irregulariter notata; spira late truncata, amissis anfr. $3^1/_2$—4; sutura granulis albis remote crenata; anfr. superst. $3^1/_2$—4 convexi, ultimus non solutus, liris minoribus interjectis munitus; apertura verticalis, angulato-ovalis; perist. duplex: internum breviter porrectum, externum concentrice lamellosum, ad anfr. contiguum angustatum, adnatum, superne et latere sinistro dilatatum. — Operc. *Ch. picti.* — Long. (trunc.) 14—16, diam. 7—8 mill. Ap. intus 5—$5^1/_3$ mill. longa. (Coll. Nr. 306.)

Cyclostoma perlatum Gundl. in Malak. Bl. IV. 1857. p. 41 et in *Poey* Memor. II. p. 38.

Habitat prope Matanzas insulae Cubae.

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39. **Petitianum Pfr.** (Coll. 307. — *Ch.* ed. nov. p. 277. t. 37. f. 23. 24. — *Gray* Phan. p. 206. — *Ad.* Gen. p. 295.) . . . . Mon p. 291.
40. **rubicundum Mor.** (Coll. 308. — *Ch.* ed nov. p. 280. t. 37. f. 29. 30. — *Gray* Phan. p. 207. — *Ad* Gen. p. 295.) . . . . - - 291.

41. **Ch. Santacruzense Pfr.**

T. perforata, oblongo-turrita, tenuiuscula, costis longitudinalibus membranaceis, undulatis, confertis sculpta, haud nitens, corneo-rubella, seriebus punctorum ruforum et fascia 1 basali ornata; spira subregulariter attenuata, truncata; sutura dentibus inaequalibus distantibus crenata; anfr. superst. $4^1/_2$ modice convexi, ultimus antice vix solutus; apertura verticalis, ovalis, superne subangulata; perist. duplex: internum vix expansum, externum patens, ad anfr. contiguum subexcisum, sursum et infra perforationem dilatatum. — Operc. planum, griseum. — Long. $11^1/_2$—12, diam. 5—$5^1/_2$ mill. Ap. 4 mill. longa, 3 lata. (Coll. Nr. 309.)

Chondropoma Santacruzense Pfr. in Malak. Bl. 1855. p. 101.

Habitat in insula St. Croix Indiae occidentalis (Riise).

42. **Ch. Cordovanum Pfr.**

T. rimato-perforata, turrita, integra, tenuis, longitudinaliter confertim plicata, haud nitens, pallide fulva, fasciis interruptis castaneis ornata, spira regulariter turrita, sursum plerumque violacea, apice submamillari nitida, cornea; anfr. 7—$7^1/_2$ pereonvexi, ultimus non solutus; apertura verticalis, ovalis; perist. duplex: internum album, breviter porrectum, externum subdilatatum, horizontaliter patens, concentrice striatum, castaneo maculatum, superne productum; ad anfr. penultimum subexcisum. — Operc. albidum. — Long. 13—$15^1/_2$, diam. 6—$7^1/_3$ mill. Ap. intus $3^3/_4$—5 mill. longa. (Mus. Cuming et Coll. Nr. 310.)

Cyclostoma Cordovanum (Chondropoma) *Pfr.* in Proc. Zool. Soc. 1856. p. 323.

Chondropoma Cordovanum Pfr. Novit. conch. I. p. 91. n. 156. t. 25. f. 18. 19.

Habitat Cordova provinciae Veracruz reipublicae Mexicanae (Sallé.)

Obs. Peraffine *Ch. harpae Pfr.*, peristomatis characteribus praecipue discrepans.

43. **? harpa Pfr.** (Proc. 1851. p. 247. — *Ch.* ed. nov. p. 317. t. 41. f. 28. 29. — *Gray* Phan. p. 207. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 133.) Mon. p. 292.

44. **integrum Pfr.** (Proc. 1851. p. 247. — *Ch.* ed. nov. p. 286. t. 38. f. 25. 26. — *Gray* Phan. p. 208. — *Ad.* Gen. p. 295.) . . . . - - 292.

45. **truncatum Wiegm.** † (*Gray* Phan. p. 208. — *Ad.* Gen. p. 296.) . . . . - - 293.

46. **Candeanum Orb.** (Coll.-311? — *Pfr.* in Mal. Bl. 1856. p. 133. Nec *Pfr.* Pneum. p. 207. n. 13. — Conf. descriptionem originariam in *Pfr.* Pneum. p. 267. nota *. — Species a Cl. Poey hoc nomine communicata non omnino cum descriptione Orbignyana quadrat, etsi specimen Musei Britannici ad eandem pertinere videatur. Conf. *Pfr.* in Malak. Bl. 1855. p. 97.)

47. **Ch. tenuiliratum Pfr.**

T. subperforata, turrito-oblonga, truncata, solida, subtiliter striata, liris tenuibus confertis cincta, opaca, fulvida, lineis et fasciis rufis irregulariter picta; sutura subsimplex; anfr. superst. 4 convexiusculi, ultimus non solutus; apertura subverticalis, angulato-ovalis; perist. duplex: internum vix prominens, externum breviter expansum, superne angulatim subproductum, margine sinistro leviter dilatato, patente. — Operc.? — Long. 12, diam. $6^1/_2$ mill. Ap. 5 mill. longa, $3^1/_2$ lata. (Coll. Nr. 312.)

Chondropoma tenuiliratum Pfr. in Malak. Bl. 1856. p. 48. 133.

Habitat in insula Cuba.*

Obs. Affine *Ch. Poeyano Orb.* (vero!), peristomate undique distincte duplicato facile distinguendum.

48. **Ch. revocatum Gundlach.**

T. perforata, globoso-conica, solidula, liris alternatim filiformibus et minutis cincta, striisque confertissimis granulata, carnea, punctis rufis subradiata; spira turbinata, apice breviter truncata; sutura simplex; anfr. superst. 4—$4^1/_2$ convexi, ultimus ventrosus, non solutus; apertura subobliqua, angulato-ovalis; perist. duplex: internum continuum, subadnatum, externum anguste expansum, ad anfr. contiguum excisum, superne et latere sinistro dilatatum. — Operc. planum, cartilagineum, paucispirum. — Long. $12^1/_2$, diam. $7^2/_3$ mill. Ap. 6 mill. longa, $4^2/_3$ lata. (Coll. Nr. 313.)

Cyclostoma revocatum Gundl. in Malak. Bl. IV. 1857. p. 178.

Habitat Estero prope Cabo de Cruz.

§. 6.

49. **latilabre Orb.** (Coll. 314. — *Gray* Phan. p. 209. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 133. — *Cyclost. latilabris Orb.*, *Chénu* Leç. élém. p. 245. f. 917. — *C. latilabre Ch.* ed. nov. p. 266. — *β.* Unicolor violaceum vel pallide isabellinum, an-

fractus ultimi antica parte et peristomate interno aurantiacis. — Hab. in fissuris rupium ad radicem montis Guajaibon: Gundlach.) . . . . Mon p. 294.

50. **Ch. Sagebieni Poey.** †

„Differt a *Ch. latilabri* umbilico minore, colore rubescente, peritr. interno rubro, non expansiusculo, externo parum dilatato. — Long. 16, diam. maj. 14, min. 11 mill. — Testa integra anfr. 6 habet, quorum $2\frac{1}{2}$ franguntur.". (P.)

Cyclostoma Sagebieni Poey Memor. II. p. 33.

Habitat Guane, in montibus Cubae occidentalibus.

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51. **Ch. egregium Gundlach.**

T. umbilicata, ovato conica, interdum truncata, tenuis, striis filiformibus subdistantibus (alternis minoribus) cincta, confertioribus radiantibus decussata, vix nitidula, pellucida, rubello-fulva, lineis rufis interruptis cingulata; anfr. $6\frac{1}{2}$ convexiusculi, embryonales albi, laevigati; apertura verticalis, angulato-ovalis; perist. duplex: internum continuum, vix prominens, externum late patens, concentrice striatum et radiatim plicatulum, integrum, anfractui contiguo angustius adnatum, superne canaliculatum, album, castaneo-subradiatum. — Operc. planum, fulvidum. — Long. (test. integrae) 27, diam. 13 mill. Apert. intus $8\frac{1}{2}$ mill. longa, 7 lata. (Coll. Nr. 315.)

Cyclostoma egregium Gundl. in Poey Memor. II. p. 13. t. 1. f. 13.
— — *Gundl.* in Malak. Bl. 1856. p. 38.
Chondropoma egregium Pfr. in Malak. Bl. III. 1856. p. 134.
— — *Pfr.* Novit. conch. I. p. 94. n. 160. t. 26. f. 1—3.

β. Testa atroviolacea, peristomate fere unicolore albo.

Chondropoma egregium var. Pfr. Novit. conch. t. 24. f. 4. 5.

Habitat rupes montis „Organos" dicti, v. g. loci Caimito, in parte occidentali insulae Cubae (Gundlach).

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52. **irradians Shuttl.** (Coll. 316. — *Gray* Phan. p. 209. — *Ad.* Gen. p. 295. — *Ch.* ed. nov. p. 273. t. 37. f. 9. 10. — *Pfr.* in Mal. Bl. 1856. p. 134. — *Trosch.* Gebiss d. Schn. p. 73) . . . . Mon. p. 294.

§. 7.

53. **Shuttleworthi Pfr.** (Coll. 317. — Proc. 1851. p. 246. — *Ch.* ed. nov. p. 265. t 36. f. 7. 8. — *Gray* Phan. p. 209. — *Ad.* Gen. p. 295. — *Pfr.*

Novit. conch. I. p. 94. n. 161. t. 26. f. 6—11. — *Pfr.* in Mal. Bl. 1856. p. 134. — *Cyclost. verecundum Poey* Memor. I. p. 102. 106. t. 7. f. 5—7. — *Chondropoma verecundum Pfr.* in Malak. Bl. 1854. p. 98. — β. Testa minore, anfr. superst. $3^1/_2$, vix nitidula, pallide fulvida, maculis castaneis sagittaeformibus fasciatim picta; long. 16—17, diam. 9 mill. Ap. intus 6 mill. longa. — Hab. San Diego de Banos, var. β prope Catalina prov. occidentalis insulae Cubae: Gundlach.) . . . . Mon. p. 295.

54. **tenebrosum Mor.** (Coll. 318. — *Ch.* ed. nov. p. 274. t. 37. f. 11. 12. — *Gray* Phan. p. 210. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 135. — Anfr. superiores magis minusve angulati.) . . - - 295.

55. **Ch. claudicans Poey.**

T. subobtecte umbilicata, ovato-conica, truncata, tenuis, striis elevatis spiralibus et radiantibus confertioribus asperato-decussata, fulvida, lineis interruptis rufis saepe obsolete circumdata; spira turbinata, plerumque breviter truncata; anfr. 5—6 convexi, regulariter accrescentes; apertura subverticalis, rotundato-ovalis; perist. duplex: internum album, vix porrectum, externum dilatatum, patens, concentrice striatum, superne productum, ad anfr. contiguum tenue, angustatum, tum in laminam latam, subliberam, umbilicum magis minusve occultantem, incisura profunda a latere sinistro separatam expansum. — Operc. praecedentis. — Long. 16—18, diam. 9—10 mill. Ap. $6^1/_2$ mill. longa. (Coll. Nr. 319.)

Cyclostoma claudicans Poey Memor. I. p. 100. 106. 444. 454. t. 7. f. 8—11.

Chondropoma claudicans Pfr. in Malak. Bl. III. 1856. p. 135.

Habitat in rupibus prope Rangel insulae Cubae (Gundlach).

Obs. Species praecedenti peraffinis, anfractibus superis non angulatis superficie magis asperata, colore etc. distinguenda.

56. **Ottonis Pfr.** (Coll. 320 — *Gray* Phan. p. 210. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 135. — Var.: *Cyclost. petricosum Mor.*, *Pfr.* Pneum. p. 419.) . . . . Mon. p. 296.

57. **? semicanum Mor.** † (*Gray* Phan. p. 211. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 136.) - - 419.

58. **? sericatum Mor.** † (*Gray* Phan. p. 211. — *Ad.* Gen. p. 295. — *Pfr.* in Mal. Bl. 1856. p. 135.) - - 419.

Obs. Conferatur ad hanc sectionem *Ch. violaceum Pfr.*

Subfam. VII. Pomatiatea.

Operculum subcirculare, cartilagineum, paucispirum, e 2 laminis compositum, intus concameratum.

Pomatiaina Gray Cat. Phan. p. 211.

Pomatiasinae H. et *A. Adams* Gen. rec. Moll. II. p. 298 ex parte.

Pomatiacea Trosch. Gebiss d. Schn. p. 65: familia Pulmonalorum operculatorum.

XXX. Pomatias Studer.

Pfr. Mon. Pneum. p. 296. — *Dupuy* Moll. de France p. 508. — *Gray* Cat. Phan. p. 211. — *Woodw.* Man. Moll. II. p. 176: subgenus Cyclostomatis. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 298: genus Pomatiasinarum.

Species:

A. Peristomate auriculato . . . . . §. 1. Nr. 1—9.
B. Peristomate non auriculato . . . §. 2. Nr. 10—15.

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§. 1.

1. **auritus Ziegl.** (Coll. 321. — *Gray* Phan. p. 212. — *Mörch* Yold. p. 41. n. 821. — *Ad.* Gen. p. 298.) Mon. p. 297.
2. **obscurus Drap.** (Coll. 322. — *Gray* Phan. p. 212. — *Ad.* Gen. p. 299. — *Cyclost. obscurum Pot.* et *Mich.* Gal. I. p. 239. n. 14. — Pomatias *Moq.-Tand.* Moll. Fr. p. 499. t. 37. f. 24—29. — *Pomatias obscurum Dupuy* Moll. Fr. p. 510. t. 26. f. 10. — *Mörch* Yold. p. 41. n. 820. — *Drouët* Moll. Fr. p 45.) . . . . - - 298.

3. **P. crassilabrum Dupuy.** †

„Testa sat exacte conico-elongatula, apice subobtusiuscula et laeviuscula, vix angustissime perforata, tenuissime et regulariter costulato-striata, striis saepius undulatis et sub lente tantum perspicuis; apertura rotundato-subpiriformi; peristomate subcontinuo, patulo vel reflexo et acute, extus crasso et lacteo; anfr. 7—9 convexiusculis, sutura perspicua separatis et paulatim accrescentibus, ultimo majore et ad basim subangulato. Albescens vel cinerascens, maculis fuscis magnis in universis anfractibus plerumque ornata, maculis in ultimo fasciam tri-

plicem obscure efformantibus. — Operc. tenuissimum, viridi fusculum, corneum et interne situm. — Alt. 10—14, diam. 4—6 mill.“ (D.)

Pomatias crassilabrum Dupuy Catal. extr. Gall. Test. 1849. n. 255.
— — *Dupuy* Moll. de France p. 511. t. 26. f. 11.
— — *Drouët* Moll. de France p. 25.
Cyclostoma obscurum *ε* *Moq.-Tand.* Moll. Fr. II. p. 499.

Habitat in Pyrenaeis.

4. P. Partioti Moquin. †

„Testa conico-elongata, apice obtusiuscula et laevi, anguste perforata, laeviuscula, sub lente obsoletissime et tenuiter costulato-striata, striis undulatis; apertura rotundato vix subovata, superne obtuse angulata, peristomate subcontinuo, patulescente, labro albo-incrassato; anfr. 8—10 convexiusculis, sutura perspicua separatis et paulatim accrescentibus, ultimo majore et teretiusculo. Solida, opaca et subnitidula, uniformiter cinerascens et maculis omnino plerumque destituta, quandoque fasciis obsoletis fusco rubellis in ultimo anfractu ornata. — Operc. rotundatum, brunneum, tenue et subpellucidum. — Alt. 9—10, diam. $3^1/_2$—$4^1/_2$ mill.“ (D.)

Cyclostoma Partioti Moq. in St. Simon Miscell. malac. p. 36. n. 9. (1848.)
— — (Pomatias) *Moquin-Tand.* Moll. Fr. II. p. 501. t. 37. f. 32—34.
Pomatias Partioti Dupuy Cat. extr. Gall. Test. n. 258.
— — *Dupuy* Moll. de France p. 514. t. 26. f. 13.
— — *Drouët* Moll. de France p. 25.

Habitat in Pyrenaeis.

5. P. Carthusianus Dupuy.

„Testa conica, inferius subinflata, apice obtusiuscula et laevis, tenuiter et regulariter striato-costulata, striis undulatis, vix perforata; apertura rotundato-subpiriformi, peristomate subcontinuo, reflexo, albo-labiato; anfract. 7—8 vix convexiusculis, sutura parum perspicua separatis, ultimo majore et ad basim subangulato. Sat tenuis, subsericina, subpellucidula, fusculo-grisea, maculis fulvo-rubescentibus ornata, binam fasciam in ultimo anfractu efformantibus. — Operc. tenuissimum, corneo-pellucidum, profundo in penultimo vel etiam antepenultimo anfractu saepe situm. Alt. 7—8, diam. 3—4 mill.“ (D.)

Cyclostoma obscurum var. *ε* *apricum Partiot* Mém. Cyclost. p. 22. n. 89.

Cyclostoma apricum Mouss. teste Dupuy.
— *carthusianum* (Pomatias) *Moquin-Tand.* Moll. Fr. II. p. 502. t. 37. f. 35. 36.
Pomatias Carthusianum Dupuy Cat. extr. Gall. test. n. 254.
— — *Dupuy* Moll. de France p. 516. t. 26. f. 14.
— *obscurus β Pfr.* Mon. Pneum. p. 299?
— *apricum* »*Mouss.*«, *Drouët* Moll. de France p. 25.

Habitat in Alpibus Galliae, Grande Chartreuse, etc.

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6. **tessellatus Wiegm.** (Coll. 323. — *Gray* Phan. p. 213. — *Ad.* Gen. p. 299. — *Pom. tessellatum Mouss.* Coq. Orient. p. 7. — *Cyclost. septemspirale δ Moq.-Tand.* Moll. Fr. II. p. 503?) . . . . . Mon. p. 299.
7. **maculatus Drap.** (Coll. 324. — *Gray* Phan. p. 213. — *Ad.* Gen. p. 299. t. 87. f. 1. — *Turbo striatus Vallot* Exerc. hist. nat. Côte d'Or. 1801, teste Drouet. — *Cycl. maculatum Pot.* et *Mich.* Gal. Douai I. p. 239. n. 15. — *Pom. maculata M. E. Gray* Fig. Moll. Anim. p. 120. t. 311. f. 19. — *Pom. maculatum Stab.* Fauna Elvet. p. 44. t. 1. f. 42. — *Dupuy* Moll. Fr. p. 518. t. 26. f. 15. — *De Betta* et *Mart.* Moll. Ven. p. 74. — *Pomatias septemspirale Drouët* Moll. Fr. p. 25. — *Pomatias striatum Drouët* in Rev. et Mag. Zool. 1854. p. 689. — *Cyclost. septemspirale* [Pomatias] *Moq.-Tand.* Moll. Fr. p. 503. t. 37. f. 37. 38. — *β.* Testa elongatiore, costulis anfr. superiorum distinctioribus: *Pom. Villae Spinelli* test. De Betta et Mart.) . . . . - - 300.
8. **patulus Drap.** (Coll. 325. — *Gray* Phan. p. 214. — *Ad.* Gen. p. 299. — *Trosch.* Gebiss d. Schn. p. 65. t. 4. f. 1. — *Cyclost. patulum Pot.* et *Mich.* Gal. Douai I. p. 236. n. 8. — Pomatias *Moquin-Tand.* Moll. Fr. p. 505. t. 37. f. 39—41. — *Pomatias patulum Dup.* Moll. Fr. p. 520. t. 26. f. 16. — *De Betta* et *Mart.* Moll. Ven. p. 74. — *Drouët* Moll. Fr. p. 25. — *β.* Testa cinerea, vel lutescenti-cinerea, anfr. mediis albo-costulatis, inferioribus sublaevigatis; long. 9—10, diam. $3^1/_2 - 3^3/_4$ mill.: *Pom. Henricae Strob.*) . . . . - - 301.
9. **Porroi Strob.** † (*Gray* Phan. p. 215. — *Ad.* Gen. p. 299.) . . . . - - 302.

§. 2.

10. P. Barthelemianus Shuttleworth. †.

Testa obtecte vix perforata, conico-turrita, argute sed valide costulata, cinerascente-alba, maculis luteis seriatis obscure notata; spira elevata, conico-acuminata, apice obtusiuscula; anfr. 8—9, parum convexi, ultimus basi rotundatus; apertura verticalis, ovali-rotundata; perist. inconspicue duplicatum: internum continuum, anfr. penultimo appressum, externum in-

crassatum modice expansum, margine superiore adscendente attenuato nec auriculato, columellari breviter revoluto et quasi exciso. — Diam. 4, alt. 10 mill. Apert. circa 3 mill. lata. (Sh.)

Pomatias Barthelemianum Shuttl. in Bern. Mittheil. 1852. Dec. p. 294. Diagn. n. Moll. Nr. 3. p. 34.

— *Barthelemianus Pfr.* in. Malak. Bl. 1854. p. 98.

— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 298.

Habitat in insulis Canariis. (Mus. Massiliense.)

Obs. „Specimen unicum adest, *P. tessellato Wiegm.* quam maxime affine, sed peristomatis margine superiore non auriculato sed in anfr. penultimo adscendente et appresso, facile distinguendum.

11. **striolatus Porro.** (Coll. 326. — *Gray* Phan. p. 215. — *Ad.* Gen. p. 299.) . . . . Mon. p. 302.

12. P. Nouleti Dupuy.

„Testa conico-elongatula, apice obtusiuscula, nec laeviuscula, anguste perforata, tenuiter et sat remote costulata, costulis valde apparentibus; apertura rotundato vix subpiriformi, peristomate subpatulescente, continuo, bilabiato, labio interiore albo-marginato, exteriore ad oras tenuissimo; anfract. 7—9 convexiusculis, sutura perspicua separatis et paulatim accrescentibus, ultimo majore et ad basim angulato. Griseo-nigrescens, maculis albescentibus, ad suturas anfractuum inferiorum praesertim ornata, maculis fasciam duplicem in ultimo anfractu obscure subefformantibus. — Operc. tenuissimum et corneo-fuscescens. — Alt. 10—12, diam. 4 - 5 mill.“ (D.)

Pomatias Nouleti Dupuy Moll. de France p. 518. t. 26. f. 12.

— — *Drouët* Moll. de France p. 25.

Cyclostoma Nouleti (Pomatias) *Moquin-Tand.* Moll. Fr. II. p. 500. t. 37. f. 30. 31.

Habitat prope Axat (Ariège) Galliae (Noulet).

13. **cinerascens Rossm.** (Coll. 327. — *Gray* Phan. p. 215. — *Ad.* Gen. p. 299.) . . . . . Mon. p. 303.

14. **scalarinus Villa.** (Coll. 328. — *Gray* Phan. p. 216. — *Ad.* Gen. p. 299. — *Trosch.* Gebiss d. Schn. p. 66. t. 4. f. 2.) . . . . - - 304.

15. **gracilis Küst.** (Coll. 329. — *Gray* Phan. p. 216. — *Ad.* Gen. p. 299. — *Chemn.* ed. nov. p. 191. t. 26. f. 28—30.) . . . . - - 304.

Subfam. VIII. Realiea.

Operculum corneum, subovale, paucispirum, nucleo excentrico.

Realiana Gray Cat. Phan. p. 217.

XXXI. Realia Gray.

Pfr. Mon. Pneum. p. 305. — *Woodw.* Man. Moll. II. p. 176: subgenus Cyclostomatis. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299: subgenus Hydrocenae. — *Liarea Gray* Cat. Phan. p. 217. Conf. *Pfr.* in Malak. Bl. 1854. p. 304 et in Proc. Zool. Soc. 1854. p. 304.

1. R. Egea Gray.

T. subperforata, conico-turrita, solidula, distanter plicatula, vix nitidula, fusca, fascia basali castanea ornata, vel nigricans, strigis flavidis angulosis subtessellata, vel cornea, strigis latis albidis variegata; spira turrita, apice acutiuscula; sutura mediocris, plicata; anfr. $6^1/_2$ convexiusculi, ultimus obtuse carinatus; apertura parum obliqua, ovalis; perist. duplex: internum continuum, expansiusculum, superne angulatum, externum subinterruptum, dilatatum, campanulato-incurvatum. — Long. $7^1/_2$—8, diam. 4 mill. Ap. intus $2^1/_2$ mill. longa. (Coll. Nr. 330.)

Realia Egea Gray, Pfr. Mon. Pneum. p. 305. n. 1.
— — *Pfr.* in Proc. Zool. Soc. 1854. p. 304. n. 1.
Cyclostoma Egea Pfr. in Chemn. ed. nov. p. 303. t. 40. f. 17. 18.
Liarea Egea Gray Cat. Phan. p. 217.
Hydrocena Egea (Realia) *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in Nova Seelandia.

2. R. turriculata Pfr.

T. subperforata, gracilis, turrita, solidula, striatula, parum nitens, nigricans, fascia pallida basali notota, vel strigis angulosis nigro-castaneis et luteo-albis alternantibus ornata, basi nigricans; spira elongata, apice obtusula; anfr. 7—$7^1/_2$ modice convexi, ultimus $^1/_3$ longitudinis subaequans, basi obsolete subangulatus; apertura verticalis, angulato-ovalis; perist. continuum, duplex: internum breviter porrectum, externum anguste expansum, inflexum. — Operc. typicum. — Long. 9, diam. $3^2/_3$ mill. Ap. vix 3 mill. longa. (Mus. Cuming.)

Realia turriculata Pfr. in Proc. Zool. Soc. 1854. p. 304. n. 2.
Hydrocena turriculata (Realia) *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.
Habitat in Nova Seelandia.

3. **R. ventricosa Jacquinot.**

T. subperforata, turrito-oblonga, tenuiuscula, sub lente confertissime striata, vix nitidula, fusca vel cornea; spira elongata, subventricosa, apice acutiuscula; anfr. 7 convexi, ultimus $1/3$ longitudinis subaequans, infra medium obsolete angulatus; apertura parum obliqua, ovalis; perist. continuum, indistincte duplicatum, margine dextro expansiusculo, sinistro strictiusculo, adnato. — Long. 7, diam. 3 mill. Ap. $2 1/3$ mill. longa. (Mus. Cuming.)

Cyclostoma ventricosa Hombr. et *Jacq.* Voy. Pol Sud. Zool. p. 52. t. 12. f. 34—36.
Realia ventricosa Pfr. in Proc. Zool. Soc. 1854. p. 304. n. 3.
Hydrocena ventricosa (Realia) *H.* et *A. Adams* Gen. rec. Moll. p. 299.
Habitat in insulis Marquesas.

4. **R. rubella Pfr.**

T. subperforata, turrito-oblonga, solida, laevigata, pallide rubella; spira elongata, superne attenuata, acuminata; sutura profunda; anfr. 8 convexi, quasi strangulati, ultimus $1/3$ longitudinis non attingens, obsolete angulatus; apertura vix obliqua, angulato-ovalis; perist. continuum, breviter adnatum, duplicatum: externum subincrassatum, patens. — Long. 8, diam. 3 mill. Ap. $2 1/2$ mill. longa. (Mus. Cuming.)

Realia rubella Pfr. in Proc. Zool. Soc. 1854. p. 304. n. 4.
Hydrocena rubella (Realia) *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.
Habitat in insulis Marquesas.

XXXII. Hydrocena Parreyss.

Operculum corneum, paucispirum. Testa imperforata vel umbilicata, globoso-turbinata, ovata vel turrita; apertura ovalis vel semicircularis; perist. simplex, rectum vel expansum, marginibus disjunctis, columellari subcalloso.

Hydrocena Parr. mss., *Pfr.* in Zeitschr. f. Malak. 1847. p. 112.
— *Pfr.* in Proc. Zool. Soc. 1854. p. 305.

Hydrocena H. et A. Adams Gen. rec. Moll. II. p. 299: genus Pomatiasinarum, includens *Realiam*.
Realia Gray Cat. Cycloph. Brit. Mus. 1850. p. 63.
Hydrocaena Shuttl. Diagn. n. Moll. Nr. 1. p. 11.
— *Küster* in Chemn. Conch. Cab. Ed. nov. I. 21. p. 80.
— *Trosch.* Gebiss d. Schn. p. 83.

Plures species carina basali instructae, nomine Omphalotropidis a me generice olim separatae vix ab illis carina carentibus removeri possunt.

Species sic distribuantur:

A. Carina basali destitutae (*Hydrocena Parr.*)
- a. Sublaevigatae . . . . §. 1. Nr. 1—12.
- b. Striatulae vel subrugosae . . . §. 2. Nr. 13—19.
- c. Spiraliter sculptae . . . . . §. 3. Nr. 20—22.

B. Carina umbilicali munitae (*Omphalotropis Pfr.*)
- a. Peristomate recto.
  - α. Sublaevigatae vel striatulae . §. 4. Nr. 23—39.
  - β. Plicatae . . . . §. 5. Nr. 40—41.
  - γ. Spiraliter sculptae . . . . §. 6. Nr. 42—45.
- b. Peristomate expansiusculo . . . §. 7. Nr. 46—49.

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§. 1.

1. **H. Chinensis Pfr.**

T. perforata, ovato-turrita, vix striatula, nitida, livido-fusca; spira elongato-conica, acutiuscula; anfr. 7 convexiusculi, ultimus $1/3$ longitudinis paulo superans, infra peripheriam angulatus, basi subplanatus; apertura parum obliqua, tetragono-ovalis; perist. simplex, rectum, margine columellari subdilatato, patente. — Operc. membranaceum, pallidum. — Long. 15, diam. 8 mill. Ap. 6 mill. longa, $4^1/_2$ lata. (Coll. Nr. 331.)

Hydrocena Chinensis Pfr. in Proc. Zool. Soc. 1857. p. 112.

Habitat in China.

2. **H. Bridgesi Pfr.**

T. vix subperforata, ovato-conica, solida, laevigata, daucino-rubra; spira conica, apice acuta; sutura linearis; anfr. 7 plani, ultimus spiram aequans, basi rotundatus; apertura vix obliqua, acuminato-ovalis, basi subeffusa; perist. simplex, rectum, marginibus callo tenuissimo junctis, columellari subreflexo. — Long. $10^1/_2$, diam. 6 mill. Ap. $5^1/_2$ mill. longa, 3 lata. (Mus. Cuming.)

Hydrocena Bridgesi Pfr. in Proc. Zool. Soc. 1854. p. 305. n. 4.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in Valdivia; sub lapidibus in locis humidis legit Th. Bridges.

3. **H. cornea Pfr.**

T. subperforata, ovato-conica, solidula, laevigata, nitida, fulvo-cornea; spira conica, apice acuta; sutura impressa, submarginata; anfr. $6^1/_2$ convexiusculi, ultimus spira paulo brevior, peripheria obsoletissime angulatus, juxta perforationem punctiformem vel clausam subcompressus; apertura obliqua, angulato-ovalis, basi subeffusa; perist. subsimplex, margine dextro recto, columellari calloso, subappresso. — Long. 10, diam. 5 mill. Ap. $4^1/_2$ mill. longa, 3 lata. (Coll. Nr. 332.)

Hydrocena cornea Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 7.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat Borneo et „Bashee Island" (Sir E. Belcher).

4. **H. vulpina Pfr.**

T. perforata, globoso-conica, solida, laevigata, rubella; spira conica, acutiuscula; anfr. 5 modice convexi, ultimus spiram aequans, rotundatus; apertura parum obliqua, angulato-ovalis; perist. subcontinuum, adnatum, margine dextro subinflexo, columellari calloso. — Operc. tenue, castaneum, paucispirum. — Long. 8, diam. 6 mill. Ap. 5 mill. longa, $4^1/_3$ lata. (Mus. Cuming.)

Hydrocena vulpina Pfr. in Proc. Zool. Soc. 1857. p. 112.

Habitat „Fox Islands."

5. **H. brevicula Pfr.**

T. subimperforata, globoso-conica, solidula, sublaevigata, corneo-fulva; spira convexo-conoidea, acutiuscula; sutura sulco profundo marginata; anfr. sub-6, superi plani, plerumque erosi, penultimus convexus, ultimus spira longior, inflatus; apertura subverticalis, angulato-semiovalis; perist. rectum, margine columellari calloso, appresso. — Long. $8^1/_2$, diam. $5^1/_2$ mill. Ap. 5 mill. longa, $2^2/_3$ lata. (Mus. Cuming.)

Hydrocena brevicula Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 10.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat Singapore.

6. **H. albescens Pfr.**

T. subperforata, ovato-conica, solidula, sublaevigata, albida vel pallide lutescens; spira convexo-conica, apice acuta; anfr. 6 convexiusculi, ultimus spira paulo brevior, infra medium obsolete subangulatus, basi rotundatus; apertura subverticalis, angulato-ovalis; perist. simplex, rectum, margine columellari calloso, subappresso. — Long. 7, diam. 4 mill. Ap. 3 mill. longa, 2 lata. (Coll. Nr. 333.)

Hydrocena albescens Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 8.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in insula Opara.

7. **H. solidula Pfr.**

T. subperforata, ovato-conica, solidula, sublaevigata, irregulariter erosa, haud nitens, cerea; spira convexo-conica, apice acuta; anfr. 6 subplani, ultimus spira paulo brevior, obsolete angulatus, basi convexiusculus; apertura verticalis, angulato-ovalis; perist. simplex, rectum, margine columellari subincrassato. — Long. 6, diam. 4 mill. Ap. $2^2/_3$ mill. longa, 2 lata. (Coll. Nr. 334.)

Hydrocena solidula Pfr. in Proc. Zool. Soc. 1854. p. 305. n. 5.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

β. Minor, rubella, angulo peripherico distinctiore.

Habitat „Lord Hood's Island."

8. **H. oceanica Jacquinot.** †

T. subperforata, oblongo-conica, laevigata, pallide lutescens; spira convexiusculo-conica, acuta; anfr. $5^1/_2$ convexi, ultimus spira brevior, supra medium obsolete angulatus; apertura ovalis; perist. subcontinuum, rectum, margine columellari dilatato. — Long. 5, diam. 2 mill. (Ex icone.)

Cyclostoma oceanica Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 48. t. 12. f. 4—6.

Habitat in insula Vavao.

9. **H. gutta Shuttleworth.**

T. subimperforata, globoso-ovata, solidula, laevis, nitidiuscula, pellucida, flavo-rufescens; spira elata, obtusula; anfr. $3^1/_2$—4 convexi, ultimus spiram subaequans, rotundatus; apertura obliqua, semicircularis; perist. simplex, rectum, margine columellari callo nitidissimo diffuso ornato. — Operc. conco-

lor. — Long. $2^2/_3$, diam. 2 mill. Ap. $1^1/_2$ mill. longa. (Coll. Nr. 335.)

Hydrocaena Gutta Shuttl. Diagn. n. Moll. Nr. 1. p. 11.
Realia? Gutta Pfr. Mon. Pneum. p. 305. n. 2.
Liarea? Gutta Gray Cat. Phan. p. 217.
Hydrocena gutta Pfr. in Proc. Zool. Soc. 1854. p. 305. n. 2.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in insulis Canariis.

10. H. Noticola Benson. †

„Testa subobtecte perforata, globoso-conica, laevigata, nitidula, succinea, pellucida; spira conica, apice obtusiusculo, rubello, sutura valde impressa; anfractibus 4 convexis, ultimo ventricoso; apertura vix obliqua, ovato-acuta; peristomate tenui, acuto, callo parietali, columellarique appresso-reflexo, umbilicum fere tegente. — Operculo normali, corneo, pellucido, paucispirato. — Long. 2, diam. $1^1/_4$ mill." (B.)

Hydrocena Noticola Bens. in Ann. and Mag. 2d. ser. XVIII. p. 439.

Habitat in monte „Tafelsberg" Promontorii Bonae Spei.

11. H. tersa Benson. †

„T. subperforata, minuta, ovato-conica, albida, longitudinaliter (radiatim) sub lente striis exilissimis eleganter insculpta; sutura impressa, apice obtusiusculo; anfr. 5 convexis; apertura angulato-ovata, verticali, tertiam partem testae aequante; perist. simplici, crassiusculo, marginibus callo tenui junctis. — Diam. 1, long. 2 mill." (B.)

Cyclostoma tersum Bens. in Ann. and Mag. N. H. 2d. ser. XI. p. 285.
Cyclostomus? tersus Pfr. in Malak. Bl. 1854. p. 93.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 291.
Hydrocena tersa Bens. in Ann. and Mag. 2d. ser. XVII. p. 232.

Habitat in muscis arborum ad Musmai, propa Cherra-poonjee Indiae.

12. H. Milium Benson. †

„T. aperte umbilicata, minutissima, trochiformis, laevigata, albida, spira conica; sutura profunda, apice obtuso; anfr. $4^1/_2$ convexis, ultimo inflato, rotundato; apertura obliqua, diagonali, subcirculari; perist. expansiusculo, margine recto, acuto, integro, breviter adnato; umbilico margine angulato, compressiusculo. — Long. $1^1/_4$, diam. vix 1 mill." (B.)

Cyclostoma Milium Bens. in Ann and Mag. 2d. ser. XI. p. 285.
Cyclophorus? Milium Pfr. in Malak. Bl. 1854. p. 84.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 280.
Hydrocena Milium Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 232.

Habitat cum priore.

§. 2.

13. **H. exserta Pfr.**

T. subperforata, ovato-turrita, solida, confertim striata, fusculo-cornea; spira elongato-conica, apice acuta; anfr. 6 convexiusculi, subcarinati (carina ad suturam subexserta), ultimus $^2/_5$ longitudinis formans, peripheria angulatus, basi compressiusculus; apertura vix obliqua, acuminato-rotundata; perist. subsimplex, margine dextro expansiusculo, superne leviter repando, columellari calloso, subreflexo. — Long. 7, diam. 4 mill. Ap. 3 mill. longa, $2^1/_3$ lata. (Mus Cuming.)

Hydrocena exserta Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 12.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in insula Shanghai.

14. **H. obtusa Pfr.**

T. imperforata, conico-ovata, tenuiuscula, striatula, nitida, fulvo-cornea; spira conica, obtusa; sutura marginata; anfr. 5 planiusculi, ultimus spira paulo longior, ventrosus; apertura subverticalis, angulato-semiovalis; perist. simplex, rectum, margine columellari calloso, reflexo, appresso. — Long. $6^1/_2$, diam. 4 mill. Ap. $3^1/_2$ mill. longa, $2^1/_3$ lata. (Mus: Cuming.)

Hydrocena obtusa Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 9.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat . . . ?

15. **H. oblonga Pfr.**

T. subperforata, oblongo-conica, solida, striatula, opaca, fulvo-albida; spira ovato-conica, apice acuta; sutura marginata; anfr. 6 convexiusculi, ultimus $^1/_3$ longitudinis paulo superans, convexior, peripheria filocarinatus, juxta perforationem punctiformem subcompressus; apertura verticalis, angulato-rotundata, intus aurantiaca; perist. simplex, rectum, margine columellari calloso, subpatente. — Long. $6^1/_2$, diam. 3 mill. Ap. $2^1/_2$ mill. longa. (Coll. Nr. 336.)

Hydrocena oblonga Pfr. in Proc. Zool. Soc. 1854. p. 305. n. 6.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat in insulis Marquesas.

16. **H. pyramis Pfr.**

T. subperforata, oblongo-conica, solidula, irregulariter rugata, epidermide fulva obducta; spira convexo-conica, acuta; anfr. $5^1/_2$ convexiusculi, ultimus $^2/_5$ longitudinis subaequans, obsolete angulatus, basi planiusculus; apertura vix obliqua, angulato-ovalis; perist. simplex, rectum, margine columellari recedente, calloso, subappresso. — Long. 6, diam. 4 mill. Ap. $2^2/_3$ mill. longa, 2 lata. (Mus. Cuming.)

Hydrocena pyramis Pfr. in Proc. Zool. Soc. 1854. p. 306. n. 11.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.

Habitat Singapore.

17. **H. Cattaroënsis Pfr.**

T. obtecte perforata, turbinata, tenuiuscula, confertim striata, rubella; spira conica, acuta; anfr. 5 convexiusculi, ultimus spira paulo brevior, basi parum convexus; apertura fere diagonalis, subsemicircularis, intus aurantiaca; perist. simplex, rectum, margine columellari calloso, diffuso. — Operc. paucispirum, rubellum. — Long. $3^1/_2$, diam. $2^1/_2$ mill. Ap. $1^2/_3$ mill. longa. (Coll. Nr. 337.)

Cyclostoma Cattaroënse Pfr. in Arch. f. Naturg. 1841. I. p. 225.
— — *Chemn.* ed. nov. p. 184. n. 206. t. 30. f. 16—18.
Paludina Sirkii Parr., *F. Schmidt* in sched.
Hydrocena Sirkii Parr. in sched.
— *Cattaroënsis Pfr.* in Zeitschr. f. Malak. 1847. p. 112.
— — *Pfr.* in Proc. Zool. Soc. 1854. p. 305. n. 3.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 299.
Realia Cattaroënsis Gray Catal. Cycloph. 1850. p. 63.
Hydrocaena Cattaroënsis Küst. in Chemn. ed. nov. I. 21. p. 81. t. 13. f. 28—35.
— — *Trosch.* Gebiss d. Schn. p. 83. t. 6. f. 1.

Habitat prope Cattaro Dalmatiae.

18. **minutissima Sow.** (*Pfr.* in Zeitschr. f. Malak. 1847. p. 112. — Proc. 1854. p. 305. n. 1. — *Ad.* Gen. p. 299. — *Cyclost. minutiss. Sow.* — *Leptopoma? minutissimum Pfr.* Pneum. n. 29. — *Realia minutissima Gray* 1850.) . . . . Mon. p. 118.

19. **H. exigua Jacquinot.** †

T. subperforata, ovato-conica, striata (?), carneo-albida; spira inflato-conica, acuta; anfr. 4 convexi, ultimus spiram subaequans; apertura acuminato-ovalis, intus rubella; perist. rectum, subcontinuum, margine columellari dilatato. — Long. $2^1/_2$, diam. 1 mill. (Ex icone.)

Cyclostoma exigua Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 47. t. 12. f. 1—3.

Habitat in insula Mangareva.

§. 3.

20. **H. Illex Benson.** †

„T. vix perforata, ovato-acuta, minutissime striata, spiraliter confertim tenuisulcata, succinea, translucente, versus spiram rubello-fusca; spira nitida, elongato-conica, sutura profunda, apice obtusiusculo; anfract. 4 valde convexis, ultimo $^1/_3$ totius testae superante; apertura obliqua, ovata, superne angulata, peristomate tenui, non continuo, marginibus conniventibus, dextro recto, acuto, columellari reflexiusculo. — Operc. tenui, corneo, pellucido, paucispirato, nucleo basali. — Long. $2^2/_3$, diam. $1^2/_3$ mill.“ (B.)

Hydrocena Illex Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 231.

Habitat ad Phie Than vallis Tenasserim in imperio Birmano (W. Theobald).

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21. **sarrita Bens.** † (*Bens.* in Ann. and Mag. 2d. ser. XVII. p. 231. — *Cyclost. sarritum Bens.*, *Pfr.* Pneum., *Gray* Phan. p. 224.) . . . . Mon. p. 314.

22. **H. Pyxis Benson.** †

„T. obtecte perforata, ovato-conica, spiraliter sulcata, succinea, translucente, versus spiram rubente; spira conica, sutura profunda, apice obtuso; anfract. 4 convexis, ultimo $^2/_5$ totius testae aequante; apertura obliqua, semicirculari, peristomate tenui, acuto, non continuo, margine columellari expanso, reflexiusculo. — Long. $1^1/_2$, diam. $1^1/_4$ mill.“ (B.)

Hydrocena Pyxis Bens. in Ann. and Mag. N. H. 2d. ser. XVII. p. 232.

Habitat ad Thyet-Mio imperii Birmani (W. Theobald).

§. 4.

23. **hieroglyphica Fér.** (Coll. 338. — Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300.

— *Omphalotropis hierogl. Pfr.* in Proc. 1852. p. 151. — Mon. Pneum. n. 1. — *Realia hieroglyphica Gray* Phan. p. 218.) . . . . Mon. p. 306.

24. **pupoides Ant.** (Coll. 339. — Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. — *Omphalotropis pupoides Pfr.* in Proc. 1852. p. 151. — Mon. Pneum. n. 2. — *Realia pupoides Gray* p. 218.) - - 307.

25. **terebralis Gould.** † (Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. — *Omphalotropis terebralis Pfr.* in Proc. 1852 p. 151. — Mon. Pneum. n. 3. — *Realia terebralis Gray* Phan. p. 219.) . . . . - - 307.

26. **rosea Gould.** (Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. — *Omphalotropis rosea Pfr.* in Proc. 1852. p. 151. — Mon. Pneum. n. 4. — *Realia rosea Gray* Phan. p. 219.) . . - - 308.

27. **vallata Gould.** †. (Omphalotropis *Pfr* in Proc. 1854. p. 307. — *Ad* Gen. p. 300. — *Omphalotropis vallata Pfr* in Proc. 1852. p. 151 — Mon. Pneum. n. 5 — *Realia vallata Gray* Phan. p. 219.) - - 308.

28. **scitula Gould** † (Omphalotropis *Pfr* Proc. 1854. p. 307. — *Ad.* Gen. p 300. — *Omphalotropis? scitula Pfr* in Proc. 1852. p. 151. — Mon. Pneum. n. 6. — *Realia scitula Gray* Phan. p. 220.) . . - - 308.

29. **H. exquisita Pfr.**

T. perforata, conica, tenuis, confertim striata, vix nitidula, sordide fulva; spira elongata, concavo-conica, apice acuta; sutura submarginata; anfr. $6^1/_2$ convexiusculi, ultimus spira brevior, peripheria magis minusve distincte carinatus, basi acute filocarinatus; apertura obliqua, subovalis, superne et latere sinistro angulata, basi subeffusa; perist simplex, rectum, margine columellari sinuoso-patente. — Long. 9, diam. 5 mill. Ap. 4 mill. longa, 3 lata. (Coll. Nr. 340.)

Hydrocena exquisita (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 307 n. 20.

— — — *H.* et *A. Adams* Gen. rec. Moll. II. p. 300.

Habitat „Lord Howe's Island" Oceani Australici (Macgillivray).

30. **H. bulimoides Jacquinot.**

T. perforata, ovato-conica, solidula, sublaevigata, cornea, strigis et fasciis rufis varie ornata; spira exacte conica, acuta; sutura leviter marginata; anfr. 7 planiusculi, ultimus spira brevior, infra medium ventrosior, carina brevi pallida juxta perforationem munitus; apertura parum obliqua, acuminato-ovalis; perist. simplex, rectum, margine columellari subcalloso,

ad basin subangulatim producto. — Long. $7^1/_2$, diam. 4 mill. longa, $2^1/_2$ lata. (Coll. Nr. 341.)

Cyclostoma bulimoides Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 52. t. 12. f. 37—39.

β. Major, anfr. 7, long. $10^1/_2$, diam. $5^2/_3$ mill.

Habitat in ins. Hogoleu (Jacq.) et una cum var. majore in insulis Salomonis (Macgillivray).

31. **erosa Quoy.** † (Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. — *Realia erosa M. E. Gray* Fig. Moll. Anim. t. 311. f. 12. — *Gray* Phan. p. 221. — *Omphalotropis erosa Pfr.* in Proc. 1852. p. 151.) . . . . Mon. p. 310.

32. **dubia Pfr.** (Coll. 342. — Omphalotropis *Pfr.* in Proc. 1854. p. 308. — *Ad.* Gen. p 300. — *Omphalotropis dubia Pfr.* in Proc. 1852. p. 151. — Pneum. n. 10. — *Realia dubia Gray* Phan. p. 221.) - - 310.

33. H. Huaheinensis Pfr.

T. perforata, elongato-conica, solida, striatula et irregulariter pustulato-punctata, opaca, flavida vel fulvida; spira conica, apice acuta; anfr. $6^1/_2$, superi plani, penultimus convexiusculus, ultimus $^2/_5$ longitudinis subaequans, basi rotundatus, juxta perforationem punctiformem carinatus; apertura verticalis, angulato-ovalis; perist. tenue, margine dextro arcuato, recto, columellari minus arcuato, subpatente. — Long. $9^1/_2$, diam. 5 mill. Ap. 4 mill. longa, 3 lata. (Mus. Cuming.)

Hydrocena Huaheinensis (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 308. n 23.

— — — *H.* et *A. Adams* Gen. rec. Moll. II. p. 300.

β. Minor, tenuior, anfr. 6; long. $7^1/_2$, diam. 4 mill.

Habitat in insula Huaheine.

34. H. radiata Pfr.

T. perforata, ovato-conica, tenuiuscula, sublaevigata, nitida, diaphana, albida, fulvo irregulariter radiata; spira conica, apice acuta; sutura submarginata; anfr. 7 planiusculi, ultimus $^2/_5$ longitudinis subaequans, ventrosus, peripheria subangulatus, juxta perforationem apertam carinato-compressus; apertura verticalis, acuminato-ovalis, basi subeffusa; perist. simplex, rectum, margine columellari superne subdilatato. — Long. $7^1/_2$, diam. 4 mill. Ap. $3^1/_2$ mill. longa, $2^1/_2$ lata. (Coll. Nr. 343.)

Hydrocena radiata (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 308. n. 25.
— — — *H.* et *A. Adams* Gen rec. Moll. II. p 300.

Habitat in insula Borneo.

35. **globosa Bens.** (Coll. 344. — Omphalotropis *Pfr.* in Proc. 1854. p. 308. — *Ad.* Gen. p. 300. — *Omphalotropis globosa Pfr.* in Proc. 1852. p. 151. —. Pneum n. 12. — *Realia globosa Gray* Phan. p. 222.) . . . . Mon. p. 311.

36. **H. malleata Pfr.**

T. subperforata, ovato-conica, solida, irregulariter malleata, carneo et albido variegata; spira conica, acuta; anfr. 6 planiusculi, ultimus spiram subaequans, ventrosus, ad periomphalum carina funiformi munitus; apertura parum obliqua, angulato-ovalis, intus aurantiaca vel fulva; perist. subcallosum, margine dextro recto, basali subangulatim producto, columellari subpatulo. — Long 7, diam. $4^1/_2$ mill. Ap. $3^2/_3$ mill. longa, $2^1/_2$ lata. (Coll. Nr. 345.)

Hydrocena malleata (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 308. n. 28.
— — — *H.* et *A. Adams* Gen. rec. Moll. II. p. 300.

Habitat in Australia.

37. **H. glabrata Pfr.**

T. perforata, ovato-conica, tenuiuscula, glabra, nitida, fulvo-cornea; spira convexo-conica, apice acuta; anfr. 7 convexi, ultimus spira brevior, rotundatus, circa perforationem punctiformem filocarinatus; apertura vix obliqua, ovalis, superne vix angulata; perist. simplex, rectum, margine columellari subdilatato, patente. — Long. $6^1/_2$, diam. 4 mill. Ap. 3 mill. longa, 2 lata. (Coll. Nr. 346.)

Hydrocena glabrata (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 308. n. 29.
— — — *H.* et *A. Adams* Gen. rec. Moll. II. p. 300.

Habitat in insula Borneo.

38. **H. granum Pfr.**

T. vix perforata, conico-ovata, solidula, sublaevigata, sordide fulva vel albido et fulvido zonata; spira conoidea, apice obtusula; anfr. 5 perconvexi, ultimus spira vix brevior, circa perforationem punctiformem distincte carinatus; apertura subobliqua, ovalis; perist. simplex, rectum, margine columellari recedente, subpatulo. — Long. 5, diam. 3 mill. Ap. $2^1/_3$ mill. longa, $1^2/_3$ lata. (Coll. Nr. 347.)

Hydrocena granum (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1854. p. 308. n. 31.

— — — *H.* et *A. Adams* Gen. rec. Moll. II. p. 300.

Habitat „Isle of Pines" Oceani Australici (Macgillivray).

39. **H. cerea Pfr.**

T. vix perforata, ovato-conica, solidula, laevigata, vix nitidula, cerea; spira convexo-conica, acutiuscula; anfr. $5^1/_2$ vix convexiusculi, ultimus $^1/_3$ longitudinis paulo superans, rotundatus, perforationem punctiformem carina callosa, obtusa cingens; apertura parum obliqua, angulato-ovalis; perist. simplex, rectum, margine columellari brevissime fornicato-patente. — Long. $4^1/_2$, diam. $2^2/_3$ mill. Ap. vix 2 mill. longa, $1^1/_2$ lata. (Mus. Cuming)

Hydrocena cerea (Omphalotropis) *Pfr* in Proc. Zool. Soc. 1857. p. 112.

Habitat in ins. Norfolk.

§. 5.

40. **H. Navigatorum Pfr.**

T. anguste perforata, ovato-turrita, solidula, fusca, costis subdistantibus, albis, undulatis munita; spira elongato-conica, acutiuscula; anfr. 6 convexi, prope suturam filocarinati, ultimus $^2/_5$ longitudinis subaequans, supra carinam impressus, circa perforationem carina compressa munitus; apertura vix obliqua, subelliptica; perist. simplex, rectum, margine columellari vix patulo. — Long. $6^1/_3$, diam. $3^2/_3$ mill. Ap. $2^3/_4$ mill. longa, $1^2/_3$ lata. (Mus. Cuming.)

Hydrocena Navigatorum (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1857. p. 113.

Habitat in insulis Navigatorum.

41. **plicosa Pfr.** (Coll. 348. — Omphalotropis *Pfr.* in Proc. 1854. p. 308. — *Ad.* Gen. p. 300. — *Cyclost. plicosum Pfr.* in Proc. Zool. Soc. 1852. p. 61. — *Chemn.* ed. nov. p. 361. t. 46. f. 41. 42. — *Omphalotropis plicosa Pfr.* Pneum. n. 13. — *Realia plicosa Gray* Phan. p. 222.) . . . . . Mon. p. 311.

§. 6.

42. **H. acutilirata Pfr.**

T. aperte perforata, turbinata, tenuis, liris acutis magis minusve confertis, nonnullis interdum carinaeformibus, cincta, cornea; spira conica, apice acuta; anfr. $5^1/_2$ convexiusculi, ultimus basi inflatus; apertura obliqua, angulato-subovalis; perist. simplex, subrectum, marginibus callo tenui junctis, sinistro subangulato. — Operc. corneum, paucispirum. — Long. 10, diam. $6^1/_2$ mill. Ap. $5^2/_3$ mill. longa, medio $4^1/_2$ lata. (Coll. Nr. 349.)

Hydrocena acutilirata Pfr. in Proc. Zool. Soc. 1855. p. 106.

— *multilineata* • *Pfr* • *H* et *A. Adams* Gen. rec. Moll. II. p. 300?

Habitat „Lord Howe's Island" Novarum Hebridarum (Macgillivray).

43. **H. Annatonensis Pfr.**

T. perforata, globoso-conica, tenuis, carinis pluribus periphericis, acutis, lirisque compressis, confertis, vix elevatis munita, parum nitida, fusca; spira acute conica, sursum pallescens; anfr. 6 convexiusculi, ultimus ventrosus; apertura vix obliqua, irregulariter ovalis; perist. tenue, album, marginibus approximatis, dextro brevissime expanso, columellari superne recedente, cum parte inferiore subangulatim juncto, angustissimo. — Operc.? — Diam. maj. 8, min. $6^2/_3$, alt. 8 mill. Ap. 5 mill. longa, $4^1/_3$ lata. (Mus. Cuming.)

Cyclostoma Annatonense (Cyclostomus?) *Pfr.* in Proc. Zool. Soc. 1855. p. 105.

Habitat in insula Annaton s. Aneiteum Novarum Hebridarum (Macgillivray).

Obs. Speciei praecedenti proxime affinis videtur.

44. **H. vestita Pfr.**

T. perforata, oblongo-conica, tenuis, striata et spiraliter conferte lirata, epidermide fuscula vestita; spira pyramidata, acutiuscula; anfr. 6 plani, ultimus carina acuta infra medium, secunda circa perforationem nonnullisque minoribus basalibus

munitus; apertura vix obliqua, subangulato-ovalis; perist. simplex, rectum, marginibus convergentibus. — Operc. fuscum. — Long. 5, diam. 3 mill. Ap. 2 mill. longa. (Coll. Nr. 350.)

Hydrocena vestita (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1855. p. 106.

Habitat in Nova Seelandia.

45. **multilirata Pfr.** (Omphalotropis *Pfr.* in Proc. 1854. p. 308. — *Ad.* Gen. p. 300. — *Cyclost. multiliratum Pfr.* in Proc. 1852. p. 150. — *Omphalotropis multilirata Pfr.* Pneum. n. 11. — *Realia multilirata Gray* Phan. p. 222.) . . . . . . Mon. p. 311.

§. 7.

46. **aurantiaca Desh.** (Coll. 351. — Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. — *Omphalotropis aurantiaca Pfr.* in Proc. 1852. p. 151. — Pneum. n. 7. — *Realia aurantiaca Gray* Phan. p. 220.) . . . . - - 309.

47. **rubens Quoy et Gaim.** (Coll. 352. — Omphalotropis *Pfr.* in Proc. 1854. p. 307. — *Ad.* Gen. p. 300. t. 87. f. 2. — *Realia rubens M. E. Gray* Fig. Moll. Anim. t. 311. f. 11 ex Quoy. — *Gray* Phan. p. 220. — *Omphalotropis rubens Pfr.* in Proc. 1852. p. 151. — *Pfr.* Pneum. n. 8. — *Cyclost. Rangii Pot.* et *Mich.*) . . . . - - 309.

48. **H. Guamensis Pfr.**

T. perforata, ovato-conica, solidula, conferte striata, opaca, carnea, rufo-submarmorata et fasciata; spira conica, acuta; sutura subcanaliculata; anfr. 5½ planiusculi, ultimus spira vix brevior, infra medium carinatus, circa perforationem carina compressâ munitus; apertura parum obliqua, ovalis; perist. tenue, margine dextro expansiusculo, basali in carinam umbilicalem producto, columellari vix dilatato. — Long. 6½, diam. 4 mill. Ap. 3½ mill. longa, 2⅓ lata. (Coll. Nr. 353.)

Hydrocena Guamensis (Omphalotropis) *Pfr.* in Proc. Zool. Soc. 1857. p. 113.

Habitat in insula Guam.

49. **expansilabris Pfr.** (Coll. 354. — Omphalotropis *Pfr.* in Proc. 1854. p. 309. — *Ad.* Gen. p. 300. — *Cyclost. expansilabre Pfr.* in Proc. 1852. p. 150. — *Chemn.* ed. nov. p. 297. t. 39. f. 17—19. — *Realia expansilabris Gray* Phan. p. 223.) . . . Mon. p. 312.

XXXIII. Bourciera Pfr.

Pfr. Mon. Pneum. p. 312. — *Gray* Cat. Phan. p. 223: genus Realianorum. — *H.* et *A. Adams* Gen. II. p. 300: genus Pomatiasinarum.

Species unica:

1. **heliciinaeformis Pfr.** (*Gray* Phan. p. 223. — *Ad.* Gen. p. 300. t. 87. f. 3. — *Cyclost. heliciniforme Pfr.* in Proc. 1852. p. 151. — *Chemn.* ed. nov. p. 243. t. 32. f. 8—10.) . . . . Mon. p. 312.

Cyclostomacea

incertae sedis vel omnino dubia.

Cyclostoma

1. **patera Pfr.** (Proc. 1852 p. 61. — *Chemn.* ed. nov. p. 336. t. 43. f. 23—25. — *Gray* Phan. p. 224.) . Mon. p. 314.
2. **agglutinans Hombr. et Jacq.** Voy. Pol Sud. Zool. V. p. 48. t. 12. f. 7—10. — Oceania. — An potius Valvatae species?) . . . . - - 316.

3. **C. basicarinatum Pfr.**

T. vix perforata, oblongo-turrita, truncata, spiraliter lirata, costulisque confertis, subinterruptis (3—4 fasciculum formantibus) sculpta, decolorata, vestigia fasciarum interruptarum fuscularum monstrans; spira subregulariter attenuata; sutura confertim denticulata; anfr. superst. 5 parum convexi, ultimus antice breviter solutus, basi carinis 2—3 validis munitus; apertura subverticalis, angulato-ovalis; perist. duplex: internum vix expansum, externum patens, superne et latere sinistro dilatatum. — Long. 18—19, diam. 7—8 mill. Ap. 5—6 mill. longa. (Coll. Nr. 355.)

Cyclostoma basicarinatum Pfr. in Malak. Bl. II. 1855. p. 101. t. 4. f. 2. 3.

Testae subfossiles modo lectae sunt in „La Grange" prope Frederiksted insulae St. Croix.

4. **C. chordiferum Pfr.**

T. angustissime perforata, oblongo-turrita, truncata, spiraliter obsolete lirata et confertissime chordato-costulata, decolorata; spira subregulariter attenuata; sutura confertim denticulata; anfr. superst. $4^1/_2$ parum convexi, ultimus antice bre-

viter solutus, basi liris 6–7 elevatioribus munitus; apertura angulato-ovalis; perist. duplex: internum expansum, vix prominulum, externum undique subaequaliter patens. — Long. 19—23, diam. 8—9½ mill. Ap. 5⅔—7 mill. longa. (Coll. Nr. 356.)

Cyclostoma chordiferum Pfr. in Malak. Bl. II. 1855. p. 102. t. 4. f. 1.

Testae subfossiles lectae sunt in „Bülow's Minde" insulae St. Croix.

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5. **? crenatum Linn.** (*Gray* Phan. p. 225. — *Turbo crenatus Linn.*, *Dillw.* Cat. II. p. 855. n. 93 cit. *List.* t. 588. f. 52 = Scalariae sp. teste *Hanl.* Ipsa Linn. Conch.) . . . . Mon. p. 314.
6. **? reflexum Linn.** (*Gray* Phan. p. 225. — *Turbo reflexus Linn.*, *Dillw.* Cat. II. p. 863. n. 115. — Conf. *Cyclostomus elegans.*) . . . . - - 315.
7. **? lunulatum Müll.** (*Gray* Phan. p. 226. — *Nerita lunulata Müll.* — *Turbo lunulatus Gmel*, *Dillw.* Cat. II. p. 865. n. 119. — *Chondropoma lunulatum Mörch* Yold. p. 41. n. 819.) . . . . - - 316.

Obs. *Cyclost. cuspidatum* et *sarritum Bens.* nunc suis locis inserta sunt, nec non cum dubio *Cycl. acerbulum Mor.* Restat inter species dubias in Monographia Pneumonoporum enumeratas: *Turbo marginatus Chemn.*, *Dillw.* Cat. II. p. 866. n. 122 (*Cyclost.? marginatum Pfr.* Pneum. p. 313, *Gray* Phan. p. 224), quae species teste Cl. Benson (Ann. and Mag. 2d. ser. XV. p. 17) ad genus *Bithiniam* referenda est. *Paludina costigera Beck*, *Küst.* Palud. p. 33. t. 7. f. 18. 19, et *Valvata sulcata Soul.* in Voy. Bonite II. p. 547. t. 31. f. 19—21 ad eandem speciem pertinere videntur. — *Cyclostoma Gaillardotii Bourg.* in Rev. et Mag. Zool. 1854. p. 333. t. 8. f. 5–7 (Amén. malac. I. p. 104. t. 7. f. 5—7 ad *Paludinam bulimoidem Oliv.* referatur, confitente ipso autore; Amén. malac. I. p. 183. Cyclostomaceis fossilibus praeter species duas supra descriptas (p. 168) addantur: *Acme constellata Reuss* 1849 et *Cyclost. Rubeschi Reuss* 1849.

Familia II. Helicinacea.

Pfr. Mon. Pneum. p. 318. — *Trosch.* Gebiss d. Schn. p. 75. — *Oligyradae Gray* Fig. Moll. Anim. IV. p. 121.— *Helicinidae Gray* 1852. Cat. Phan. p. 226. — *H* et *A. Adams* 1856. Gen. rec. Moll. II. p. 300: familia Ectophthalmorum.

I. Stoastoma C. B. Adams.

Pfr. Mon. Pneum. p. 319. — *Gray* Cat. Phan. p. 227 et *H.* et *A. Adams* Gen. rec. Moll. II. p. 308: genus Helicinidarum. — *Woodw.* Man. Moll. II. p. 178: genus Cyclostomidarum.

Conspectus specierum.

A. Laevigatae (*Electrina Gray*) . . . §. 1. Nr. 1.
B. Spiraliter striatae vel carinatae,
  a. subturbinatae . . . . §. 2. Nr. 3—8.
  b. globoso- vel conoideo-depressae . §. 3. Nr. 9—14.
  c. discoideae . . . . §. 4. Nr. 15—21.

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§. 1.

1. **succineum Sow.** (Coll. 1. — *Gray* Phan. p. 228. — Electrina *Ad.* Gen. p. 308.) . . . . . Mon. p. 319.

§. 2.

2. **pisum C. B. Ad.** (Coll. 2. — *Gray* Phan. p. 228. — *Ad.* Gen. p. 308. t. 87. f. 9.) . . . . . . Mon. p. 320.

3. **St. Portoricense Pfr.**

T. subperforata, conica, tenuiuscula, spiraliter conferte striata, griseo-carnea, plerumque luti nigri tuberculis obducta; spira conica, acutiuscula; anfr. $6^1/_2$ planiusculi, ultimus convexior, antice substrangulatus; apertura parum obliqua, semiovalis; perist. continuum, expansiusculum, margine basali in carinulam brevem, in perforatione mox evanescentem, producto. — Operc. terminale, extus concavum. — Diam. maj. 3, min. $2^1/_2$, alt. $2^1/_2$ mill. (Coll. dom. Riise.)

Stoastoma Portoricense Pfr. in Malak Bl III. 1856. p. 51.

Habitat in insula Portorico, ubi in plantatione „Delicias" prope Manati legit Hjalmarson.

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4. **Lindsleyanum C. B. Ad.** (*Gray* Phan. p. 229. — *Ad.* Gen. p. 308.) . . . . Mon. p. 320.
5. **Leanum C. B. Ad.** (Coll. 3. — *Gray* Phan. p. 229. — *Ad.* Gen. p. 308.) . . . . - - 321.
6. **Redfieldianum C. B. Ad.** (Coll. 4. — *Gray* Phan. p. 229. — *Ad.* Gen. p. 308.) . . . . . . - - 321.

7. **Jayanum C. B. Ad.** † (*Gray* Phan. p. 230. — *Ad.* Gen. p. 308.) . . . . Mon. p. 322.
8. **Moricandianum C. B. Ad.** † (*Gray* Phan. p. 230. — *Ad.* Gen. p. 308.) . . . . - - 322.

§. 3.

9. **Pfeifferianum C. B. Ad.** (Coll. 5. — *Gray* Phan. p. 230. — *Ad.* Gen. p. 308.) . . . . . - - 323.
10. **Fadyenianum C. B. Ad.** (*Gray* Phan. p. 231. — *Ad.* Gen. p. 308.) . . . . - - 323.
11. **Chittyanum C. B. Ad.** (Coll. 6. — *Gray* Phan. p. 231. — *Ad.* Gen. p. 308.) . . . . . - - 323.
12. **Cumingianum C. B. Ad.** (*Gray* Phan. p. 231. — *Ad.* Gen. p. 308.) . . . . - - 324.
13. **Petitianum C. B. Ad.** † (*Gray* Phan. p. 232. — *Ad.* Gen. p. 308.) . . . . - - 324.
14. **Anthonianum C. B. Ad.** † (*Gray* Phan. p. 232. — *Ad.* Gen. p. 308.) . . . . - - 325.

§. 4.

15. **Gouldianum C. B. Ad.** (Coll. 7. — *Gray* Phan. p. 232. — *Ad.* Gen. p. 308.) . . . . . - - 325.
16. **Tappanianum C. B. Ad.** † (*Gray* Phan. p. 233. — *Ad.* Gen. p. 308.) . . . . - - 325.
17. **Wilkinsoniae C. B. Ad.** † (*Gray* Phan. p. 233. — *Ad.* Gen. p. 308.) . . . . - - 326.
18. **Hollandianum C. B. Ad.** † (*Gray* Phan. p. 234. — *Ad.* Gen. p. 308.) . . . . - - 326.
19. **Blandianum C. B. Ad.** (*Gray* Phan. p. 234. — *Ad.* Gen. p. 308.) . . . . - - 327.
20. **Agassizianum C. B. Ad.** † (*Gray* Phan. p. 234. — *Ad.* Gen p. 308.) . . . . - - 327.
21. **Philippianum C. B. Ad.** † (*Gray* Phan. p. 235. — *Ad.* Gen. p. 308.) . . . . - - 328.

II. Trochatella Swainson.

Pfr. Mon. Pneum. p. 328. — *Gray* Cat. Phan. p. 235. — *Woodw.* Man. Moll. II. p. 178: subgenus Helicinae. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 305: genus Helicinidarum. — *Trosch.* Gebiss d. Schn. p. 76. — Cl. *Gray Tr. reginam Mor.* nomine *Hapata* generice separavit.

Conspectus specierum.

A. Ecarinatae.

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§. 1.

1. **regina Morelet.** (Coll. 8. — *Chemn.* ed. nov. p. 66. n. 9. t. 9. f. 37. 38. — *Gray* Phan. p. 236. — Viana *Ad.* Gen. p. 305. — *Pfr.* in Mal. Bl. 1856. p. 136. — *Helicina virginea Orb.* nec Lea — *Helicina multistriata Vel.* — *Helic. maculosa Newc.* — *Hapata regina Gray* in Ann. nat. hist. XVIII. p. 414 teste Troschel. — *β.* Dimidio minor: Hato Caimito prope montes Guajaibon versus meridiem.— *γ.* Intermedia, liris spiralibus distinctis.) . . . . Mon. p. 328.

2. **Tr. subunguiculata Poey.**

T. conico-globosa, solida, liris filiformibus, subacutis irregulariter cincta, opaca, pallide lutescens vel violaceo-rosea; spira conica, acute mucronata; anfr. 7 planiusculi, ultimus inflatus, medio subangulatus, antice vix descendens; columella subrecedens, plana; apertura diagonalis, sinuato-ovalis, fundo citrina vel rufa; perist. incrassatum, album, marginibus callo nitidissimo junctis, dextro expanso, supra medium leviter sinuato, basali reflexo. — Operc. praeced. — Diam. maj. 24—27, min. 19½—21½, alt. 18½—20 mill. (Coll. Nr. 9.)

Helicina subunguiculata Poey Memor. II. p. 34.
— — *Pfr.* in Malak. Bl. V. 1858. p. 4.

Habitat Sierra de Guane insulae Cubae.

§. 2.

3. **virginea Lea.** (*Gray* Phan. p. 236. — *Shuttl.* Diagn. n. Moll. Nr. 3. p. 42. — *Ad.* Gen. p. 305. — *Helicina virginea Lea*, nec Orb. — *Helic. ampullina Fér.* — Conf. *Pfr.* in Malak. Bl. 1854. p. 99. — Excludatur *Sow.* Thes. t. 3. f. 114.) . . . Mon. p. 329.

4. **Tr. opima Shuttleworth.**

T. subgloboso-conica, tenuiuscula, subregulariter et spiraliter sulcata, haud nitens, flavido-albida, interdum flavo-maculata; spira conica, mucronata; anfr. 7 vix convexiusculi, ultimus depresso-rotundatus, basi plerumque laevior; apertura

perobliqua, subtriangulari-lunaris; perist. expansum, intus incrassatum, marginibus callo tenui junctis, dextro subrepando, basali leviter arcuato, columellari subpatente. — Diam. maj. 14, min. 11, alt. $10^1/_2$ mill. (Mus. Cuming.)

Trochatella pulchella var. nobilis C. B. Adams Contr. to Conch. p. 159. 181.

— *opima Shuttl.* Diagn. n. Moll. Nr. 3. p. 42. (Bern. Mittheil. 1852. p. 302.)

— — *Pfr.* in Malak. Bl. 1854. p. 100.

— — *H. et A. Adams* Gen. rec. Moll. II. p. 305.

β. Minor, diam. maj. 11, min. 9, alt. 9 mill.

Helicina virginea var. Sow. Thes. t. 3. f. 114.

Habitat in insulis Haiti et Jamaica.

5. **Tr. excavata Pfr.**

T. depresso-globosa, spiraliter levissime lirata, opaca, carneo-albida; spira carnea, convexa, acute mucronata; anfr. 6 vix convexiusculi, ultimus inflatus, obsoletissime subangulatus; columella lata, triangularis, excavata; apertura diagonalis, ampla, subsemicircularis, in fundo fusco-carnea; perist. album, late expansum, ad columellae angulum subrotundatum angustatum. — Diam. maj. $13^1/_2$, min. $11^1/_2$, alt. $9^1/_2$ mill. (Mus. Cuming.)

Trochatella excavata Pfr. in Proc. Zool. Soc. 1855. p. 101.

— — *Pfr.* Novit. conch. I. p. 83. n. 142. t. 23. f. 7. 8.

Habitat . . . ?

6. **chrysostoma Shuttl.** (Coll. 10. — *Chemn.* ed. nov. p. 66. n. 10. t 10. f. 3. 4. — *Gray* Phan. p. 237. — *Ad.* Gen. p. 305. — *Pfr.* in Malak. Bl. 1856. p. 137. — *Trosch.* Gebiss d. Schn. p 78. t. 5. f. 4.) . . . . Mon. p. 330.

7. **Gouldiana Pfr.** (Coll. 11. — *Chemn.* ed. nov. p. 67. n. 11. t. 10. f. 5. 6. — *Gray* Phan. p. 237. — *Pfr.* in Malak. Bl. 1856. p. 137. — *Trochat. Gaudiana Ad.* Gen. p. 305.) . . . . - - 330.

8. **Sloanei Orb.** (Coll. 12. — *Gray* Phan. p. 237. — *Ad* Gen. p. 305. — *Pfr.* in Malak. Bl. 1856. p. 138. — *Trosch.* Gebiss d. Schn. p. 77. t. 5. f. 3. — *Helicina Lamieriana Pfr.* Pneum. p. 369. n. 68. — *Gray* Phan. p. 267. Nec Orb.) . . . . - - 331.

§. 3.

9. **Petitiana Orb.** (Coll. 13. — *Gray* Phan. p. 238. — *Ad.* Gen. p. 305. — *Pfr.* in Malak. Bl. 1856. p. 138.) . . . . Mon. p. 331.

10. **T. dilatata Poey.**

„Vide *H. Petitianum Orb.* in *Pfr.* Mon. Pneum. n. 151; a qua differt testa minore, carina magis angulata, anfr. penultimo planiore, liris longitudinalibus subtus obsoletis, peritremate minus expanso. — Diam. maj. 8, min. 7, alt. maj. 7½, min. 6 mill.“ (Poey. — Coll. Nr. 14? Spec. imperfectum.)

Helicina dilatata Poey Memor. II. p. 26.

Trochatella dilatata Pfr. in Malak. Bl. III. 1856. p. 138.

Habitat prope Trinidad teste Lavallée.

11. **Tr. politula Poey.**

T. trochiformis, solidula, sublaevigata, sub lente lineis impressis spiralibus notata, parum nitens, pallide flava; spira subconcavo-conoidea, apice acutissima; sutura linearis; anfr. 6½, superi plani, ultimus utrinque convexiusculus, basi subcarinatus; columella brevis, subtriangularis, callosa, nitida; apertura perobliqua, triangulari-semiovalis; perist. simplex, acutum, vix expansiusculum. — Operc. testaceum, concolor. — Diam. maj. 6, min. 5½, alt. 5⅓ mill. (Coll. Nr. 15.)

Helicina politula Poey Memor. Cuba I. p. 113. 120. t. 5. f. 4—6.

Trochatella politula Pfr. in Malak. Bl. 1854. p. 100. 1856. p. 139.

— — *Trosch.* Gebiss d. Schn. p. 78. t. 5. f. 5.

Habitat prope Santa Cruz ins. Cubae (Poey), Rangel (Gundlach).

12. **Tr. luteo-apicata Poey.**

T. conica, tenuiuscula, spiraliter subremote striata, parum nitida, carnea; spira conica, apice acuto, luteo; sutura distincta; anfr. 7, superi convexi, sequentes plani, ultimus utrinque convexiusculus, infra medium subangulatus; columella brevis, recedens, vix callosa; apertura diagonalis, semiovali-subtriangularis; perist. simplex, undique expansiusculum. — Operc. tenuiusculum, concolor. — Diam. maj. 6½, min. 5, alt. 5½ mill. (Coll. Nr. 16.)

Helicina luteopunctata Poey Memor. I p. 115. 120. t. 5. f. 10—12.

— *luteo-apicata Poey* Memor. I. p. 394. 446. II. p. 6.

Trochatella luteopunctata Pfr. in Malak. Bl. 1854. p. 100.

— *luteo apicata Pfr.* in Malak. Bl. 1856. p. 139.

Habitat in „Isla de Pinos“ prope Cubam (Gundlach).

13. **Tr. petrosa Gundlach.**

T. conica, tenuiuscula, oblique striata lirisque tenuissimis subdistantibus spiralibus munita, vix nitidula, lutea; spira co-

nica, apice submucronata, acuta; anfr. 6 planiusculi, medio leviter impressi, supra suturam subangulati, ultimus peripheria subcarinatus, basi convexus, obsoletius liratus; apertura obliqua, subquadrangulari-ovalis; columella subverticalis, leviter albo-callosa; perist, simplex, rectum, margine basali cum columella subangulatim juncto. — Operc. solidulum, albidum. — Diam. maj. fere 6, min. 5, alt. $4^2/_3$ mill. (Coll. Nr. 17.)

Helicina petrosa Gundl. in litt.
Trochatella petrosa Pfr. in Malak. Bl. IV. 1857. p. 111.

Habitat in montibus prope Trinidad insulae Cubae.

14. **Tr. rubicunda Gundlach.**

T. conica, tenuiuscula, striis elevatis obliquis lirisque capillaceis distantibus clathratula, vix nitidula, fusco-rubicunda; spira conica, apice acutiuscula; anfr. 6 vix convexiusculi, supra suturam subangulati, ultimus spira brevior, peripheria subangulatus, basi modice convexus, leviter concentrice liratus, superne pone aperturam impressus; apertura diagonalis, subtriangulari-ovalis; columella brevis, subcallosa; perist. simplex, margine dextro expansiusculo. — Operc. solidulum, rubellum. — Diam. maj. 5, min. $4^1/_2$, alt. 4 mill. (Coll. Nr. 18.)

Helicina rubicunda Gundlach in litt.
Trochatella rubicunda Pfr. in Malak. Bl. IV. 1857. p. 111.

Habitat Magua prope Trinidad insulae Cubae.

15. **conica Pfr.** (Coll. 19. — *Gray* Phan. p. 238. — *Ad.* Gen. p. 305. — *Pfr.* in Mal. Bl. 1856. p. 139. — *Helicina elegans Orb.*) . . . . Mon. p. 331.

16. **Tr. hians Poey.**

T. conica, tenuiuscula, leviter striatula et liris spiralibus subdistantibus sculpta, vix nitidula, pallide carnea; spira regulariter conica, apice submucronato, luteo; sutura impressa; anfr. 6 planiusculi, ultimus convexiusculus, peripheria obsolete angulatus, basi spiraliter obsolete striatus; apertura magna, diagonalis, subtriangulari-semiovalis; columella brevis, callosa, basi subdentata; perist. expansum, margine supero arcuato, basali fere stricto. — Operc. semiovale, tenue, margaritaceum. — Diam. maj. $7^1/_2$, min. 6, alt. $5^1/_2$ mill. (Coll. Nr. 20.)

Helicina hians Poey Memor. I. p. 113. 120. t. 5, f. 1—3.
Trochatella hians Pfr. in Malak. Bl. 1854. p. 101. 1856. p. 139.

Habitat in montibus prope Trinidad insulae Cubae.

Obs. Differt a *Tr. elegantula Pfr.* statura, anfractu ultimo angulato, apertura multo majore, etc.

17. **Tr. callosa Poey.**

T. conica, solidula, subtiliter remote striata, striisque spiralibus obsoletis sculpta, rosea; spira conica, acutiuscula; anfr. $6^1/_2$, superi angulati, scalares, ultimus vix convexiusculus, carina pallidiore obtusa, subtus compressa infra medium munitus; columella brevis, verticalis, albo-callosa; apertura perobliqua, rotundato-subtriangularis, callo spiraliter intrante in ventre anfr. penultimi coarctata; perist. tenue, vix expansiusculum, album, ad angulum superum et columellarem rectum, acutum. — Operc. testaceum, pallidum. — Diam. maj. fere 5, min. $4^1/_2$, alt. 5 mill. (Coll. Nr. 21.)

Helicina callosa Poey Memor. I. p. 430. t. 33. f. 13—15.
Trochatella callosa Pfr. in Malak. Bl. 1856. p. 140.

Habitat in „Isla de Pinos" prope Cubam (Gundlach).

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18. **elegantula Pfr.** (Coll. 22. — *Chemn.* ed. nov. p. 67. n. 12. t. 10. f. 28—31. — *Gray* Phan. p. 238. — *Ad.* Gen. p 305.) . . . . Mon. p. 332.

19. **T. capillacea Pfr.**

T. conica, tenuis, liris capillaceis subdistantibus spiralibus munita, vix nitidula, pallide lutescens; spira conica, apice acuta; anfr. $5^1/_2$ planiusculi, ad suturam impressam vix prominentes, ultimus subcarinatus, basi subtilissime spiraliter striatus; apertura diagonalis, late semiovalis; columella brevis, arcuata, subcallosa; perist. simplex, rectum, margine dextro antrorsum subarcuato. — Operc. tenue, concolor. — Diam. maj. $4^1/_2$, min. 4, alt. $3^1/_2$ mill. (Coll. Nr. 23.)

Trochatella capillacea Pfr. in Malak. Bl. IV. 1857. p. 111.

Habitat in montibus prope Trinidad insulae Cubae (Gundlach).

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20. **rupestris Pfr.** (Coll. 24. — *Gray* Phan. p. 239. — *Ad.* Gen. p. 305. — *Pfr.* in Mal. Bl. 1856. p. 140.) . . . . Mon. p. 333.

21. **tenuis C. B. Ad.** (*Gray* Phan. p. 239. — *Ad.* Gen. p. 305.) . . . . 332.

§. 4.

22. **Tankervillii Gray.** (Coll. 25. — *Gray* Phan. p. 239. — *Ad.* Gen. p. 305. — *Trosch.* Gebiss d. Schn. p. 76. t. 5. f. 2. — *Helicina Tank.* [Trochatella] *Mörch* Yold. p. 42. n. 848.) . . . . . . Mon. p. 333.

23. **constellata Mor.** (Coll. 26. — *Gray* Phan. p. 240. — *Pfr.* in Mal. Bl. 1856. p. 140. — *Helicina constellata Mor.*, *Poey* Memor. I. p. 116. — *Helicina pagoda Vel.* — *Trochat. costellata Ad.* Gen. p. 305.) . . . . - - 334.

24. **stellata Vel.** (Coll. 27. — *Gray* Phan. p. 240. — *Ad.* Gen. p. 305. — *Pfr.* in Mal. Bl. 1856. p. 140. — *Helicina stellata Vel.*, *Poey* Memor. I. p. 117. t. 5. f. 18—20. — *Helic. rota Nenc.*) . . . . - - 334.

25. **Josephinae C. B. Ad.** (Coll 28. — *Gray* Phan. p. 241. — *Ad.* Gen. p. 305. — *Helicina Joseph.* [Trochatella] *Mörch* Yold. p. 43. n. 850.) . . . - - 335.

26. **Tr. Chittyana Pfr.**

T. conica, solidula, oblique striata et liris compressis, remotis superne munita, lutea, albo-variegata; spira exacte conica, apice acuta; sutura undulato-marginata; anfr. $7^1/_2$, supremi angulati, sequentes vix convexiusculi, ultimus convexior, peripheria carina acuta, alba, rubro-maculata praeditus, basi tenuiter et confertius liratus; columella brevis, alba, verticalis; apertura diagonalis, irregulariter ovalis; perist. album, saepe extus rubro-maculatum, incrassatum, late expansum, ad carinam subcanaliculatum. — Operc.? — Diam. maj. 13, min. 11, alt. $10^1/_2$ mill. (Mus. Cuming.)

Trochatella Chittyana Pfr. in Proc. Zool. Soc. 1857.

Habitat in insula Jamaica.

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27. **pulchella Gray.** (Coll. 29. — *Gray* Phan. p. 241. — *Chitty* Contr. to Conch. Nr. 1. p. 4. — *Ad.* Gen. p. 305. t. 87. f. 5. — *Helicina scitula Gray.* — *Helic. pulchella* [Trochatella] *Mörch* Yold. p. 42. n. 849. — Var. γ *labiosa Chitty* l. c.) . . . Mon. p. 335.

28. **Grayana Pfr.** (Coll. 30. — *Gray* Phan. p. 242. — *Ad.* Gen. p. 305.) . . . . - - 336.

29. **semilirata Pfr.** (*Gray* Phan. p. 242. — *Ad.* Gen. p. 305.) . . . . - - 336.

III. Lucidella Swainson.

Pfr. Mon. Pneum. p. 337. — *Gray* Cat. Phan. p. 242. — *Woodw.* Mon. Moll. II. p. 178: subgenus Helicinae. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 307: genus Helicinidarum.

Species:

1. **aureola Fér.** (Coll. 31. — *Gray* Phan. p. 243. — *Ad.* Gen. p. 307. t. 87. f. 8. — *Helix aureola Fér.* — *Helicina aureola Gray.* — Lucidella *Mörch* Yold. p. 43. n. 851.) . . . . Mon. p. 337.

2. **L. nana Pfr.**

T. conoidea, solidula, carinata, concentrice lirata, opaca, albida; spira conoideo-semiglobosa; anfr. fere 5 convexiusculi, ultimus basi laevior, medio impressus; apertura perobliqua, subtriangularis; perist. subincrassatum, margine supero leviter, basali prope insertionem valide dentato. — Operc.? — Diam. maj. 3, min. $2^3/_4$, alt. vix 2 mill. (Coll. Nr. 32.)

Helicina nana (Lucidella) *Pfr.* in Proc. Zool. Soc. 1857. p. 111.

Habitat in insula Jamaica.

IV. Helicina Lamarck.

Pfr. Mon. Pneum. p. 338. 420, exclusa *H. alata Menke*, ad genus *Schasicheilam* translata. — *Gray* Cat. Phan. p. 243. — *Woodw.* Man. Moll. II. p. 177: genus Cyclostomidarum (exclusis subgeneribus). — *H.* et *A. Adams* Gen. rec. Moll. II. p. 301. (Subgenera: *Helicina, Oligyra, Pachystoma, Poenia, Idesa, Emoda.*) — *Trosch.* Gebiss d. Schn. p. 80.

Conspectus specierum:

A. Peristomate introrsum subdentato (Lucidellae affines: *Poenia H.* et *A. Ad.*) §. 1. Nr. 1—8.

B. Peristomate introrsum non dentato,
  a. recto, incrassato, obtuso.
    α. Ecarinatae . . . . §. 2. — 9—26.
    β. Carinatae . . . . §. 3. — 27—36.
  b. recto, acuto.
    α. Ecarinatae,

1. conico-globosae . . . . . §. 4. Nr. 37—42.
2. conoideae vel conicae . . . §. 5. — 43—45.
3. depressae . . . . §. 6. — 46—53.
β. Subangulatae . . . . §. 7. — 54—59.
γ. Carinatae,
1. conoideae . . . . §. 8. — 60—62.
2. depressae . . . . §. 9. — 63—66.
c. expanso.
α. Ecarinatae,
1. subglobosae vel conicae.
* Spira parvula.
† Laevigatae vel striatae §. 10. — 67—87.
†† Spiraliter sculptae . . §. 11. — 88—93.
** Spira anfractum ultimum aequante vel superante.
† Sublaevigatae . . . . . §. 12. — 94—116.
†† Striatae . . . . . §. 13. — 117—120.
††† Spiraliter sculptae . . §. 14. — 121—128.
2. depressae,
* sublaevigatae . . . . . §. 15. — 129—138.
** striatae vel subgranulatae §. 16. — 139—141.
*** spiraliter sculptae . . . §. 17. — 142—148.
β. Subcarinatae,
1. conidae vel conoideae,
* spiraliter sculptae . . . §. 18. — 149—159.
** sculptura spirali nulla . . §. 19. — 160—169.
2. depressae . . . . §. 20. — 170—177.
γ. Distincte carinatae.
1. Columella subsimplice.
* Trochiformes . . . . . . §. 21. — 178—184.
** Turbinato-depressae.
† Spiraliter sculptae . . §. 22. — 185—195.
†† Non spiraliter sculptae §. 23. — 196—202.
*** Lenticulares . . . . . §. 24. — 203—209.
2. Columella retrorsum spinosa §. 25. — 210—214.
δ. Subbicarinatae . . . . . . §. 26. — 215—219.

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§. 1.

1. **Adamsiana Pfr.** (Coll. 33. — *Gray* Phan. p. 244. — Poenia *Ad.* Gen. p. 304.) . . . . . . Mon. p. 339.
2. **depressa Gray.** (Coll. 334. — *Gray* Phan. p. 245. — Poenia *Ad.* Gen. p. 304. — *H. Leana C. B. Ad.*) . . . . - - 340.
3. **plicatula Pfr.** (*Gray* Phan. p. 245. — Poenia *Ad.* Gen. p. 304. — *H. striatula Rang.*) . . . - - 340.

4. **rugosa Pfr.** (Coll. 35. — *Gray* Phan. p. 245. — Poenia *Ad.* Gen. p. 304. — *Pfr.* in Mal. Bl. 1856. p. 141.) . . . . - - 341.

5. **H. vinosa Shuttleworth.**

T. depressa, tenuiuscula, oblique elegantissime et confertim plicato-costulata, pellucida, nitida, vinoso-rubella; spira brevis, conoidea; anfr. 5 convexiusculi, sensim accrescentes, ultimus basi medio profunde impressus; apertura obliqua, integar, semiovalis; columella simplex, brevissima; callus basalis tenuis, nitidissimus, minute granulosus; perist. rubellum, breviter incrassato-expansum, margine dextro flexuoso, basali juxta columellam subito rotundato et brevissime sinuato. — Diam. maj. $3^1/_2$, min. 3, alt. 2 mill. (Coll. Nr. 36.)

Helicina vinosa Shuttl. Diagn. n. Moll. Nr. 7. p. 152.

— — (Poenia) *H.* et *A. Adams* Gen. rec. Moll. II. p. 340.

Habitat in insulis Portorico et Vieque.

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6. **unidentata Pfr.** (Coll. 37. — *Gray* Phan. p. 246. — Poenia *Ad.* Gen. p. 304. — *Helic. rusticella Mor.*) . . . . Mon. p. 341.

7. **lirata Pfr.** (Coll. 38. — *Gray* Phan. p. 246. — Poenia *Ad.* Gen. p. 304. — Testa recens rubicunda vel succinea: Chiapa teste Ghiesbreght.) . . . . - - 341.

8. **lineata C. B. Ad.** (Coll. 389. — *Gray* Phan. p. 246. — Poenia *Ad.* Gen. p. 304.) . . . . - - 342.

§. 2.

9. **H. Briarea Poey.**

T. conoideo-semiglobosa, crassa, minute et confertim striata, striis spiralibus subremotis, epidermide asperulis sculpta, fusco-purpurea, cingulo peripherico et saepe fascia suturali lutea ornata; spira convexa, subacuminata; anfr. 5 vix convexiusculi, ultimus antice descendens, peripheria subangulatus, basi fulvus; columella arcuata, antrorsum in tuberculum terminata, callum nitidum, album retrorsum emittens; apertura diagonalis, semiovalis; perist. incrassatum, album, superne juxta insertionem in callum crassiorem transiens. — Operc. solidum, nigro-castaneum, margine et nucleo fulvis. — Diam. maj. 30, min. $24^1/_2$, alt. 17 mill. (Coll. Nr. 40.)

Helicina Briarea Poey Memor. I. p. 108. 119. 413. t. 11. f. 9-12.

— — *Pfr.* in Malak. Bl. 1854. p. 102. 1856. p. 141. 1857. p. 112.

Habitat prope Trinidad insulae Cubae (Gundlach).

Obs. Specimina juniora subacute carinata.

10. **H. Titanica Poey.**

T. depresso-turbinata, crassa, ponderosa, oblique profunde striata, parum nitida, fusco-carnea; spira brevis, conoidea, obtusa; sutura vix impressa; anfr. 4 planiusculi, ultimus magnus, peripheria obtuse angulatus et albo-fasciatus, basi convexiusculus, pallidior, antice vix descendens; columella callosa, extrorsum late tuberculato-truncata; apertura diagonalis, semiovalis; perist. perincrassatum, obtusum, marginibus callo crasso, dilatato, circumscripto junctis, supero subsinuoso, basali angustiore, immediate in tuberculum columellare transeunte. — Operc.? — Diam. maj. 30, min. 26, alt. 19 mill. (Mus. Cuming.)

Helicina Titanica Poey Memor. I. p. 110. 119. 413. t. 11. f. 13—16.
— — *Pfr.* in Malak. Bl. 1854. p. 101. 1856. p. 141.

Habitat prope Baracoa insulae Cubae.

11. **H. Sagraiana Orbigny.**

T. depresso-conoidea, ambitu ovalis, solida, ponderosa, striatula, purpurascens, fusca vel viridis; spira brevis, late conoidea, apice obtusula; anfr. $4^1/_2$, supremi planulati, ultimus convexiusculus, peripheria obsolete angulatus, antice subdeflexus; columella antrorsum arcuata, tuberculato-truncata; apertura diagonalis, triangulari-semiovalis, intus purpurascens; perist. rectum, incrassatum, marginibus callo crasso, late semicirculari junctis, supero strictiusculo, basali a columellari incisura semicirculari separato, intus plica tenui, pone columellam intrante, incrassato. — Operc. solidum. — Diam. maj. 25—27, min. 21—$22^1/_2$, alt. 15—17 mill. (Coll. Nr. 41.)

Helicina Sagraiana Orb., *Pfr.* Mon. Pneum. p. 342. n. 8.
— — *Gray* Phan. p. 247.
— — *Poey* Memor. I. p. 413.
— — (Emoda) *H.* et *A. Adams* Gen. II. p. 304.
— — — *Pfr.* in Malak. Bl. III. 1856. p. 141.
— *Sagra Sow.*, *Reeve.*

α. Omnino viridis, spira pallida, peristomate albo vel lutescente. (*Sow.* Thes. f. 126.)

β. Spira purpurea, anfractu ultimo saturate viridi, perist. citrino vel pallido.

γ. Spira purpurea, anfr. ultimo olivaceo, fascia pallida, utrinque rufo-marginata circumdato, perist. candido vel carneo. (San Diego.)

δ. Subunicolor purpurascenti-fusca, perist. luteo vel pallido. (Cusco.)

Habitat in parte occidentali insulae Cubae: Rangel, San Diego, Cusco (Gundlach), nec circa Mantanzas.

Obs. Variat spira magis minusve depressa. Juniores acute carinatae et saepe sicut *H. agglutinans* luto agglutinato lacerato-alatae apparent.

12. **H. Catalinensis Pfr.**

T. orbiculato-conoidea, solida, sub lente ruguloso-striatula, nitidula, fusco-purpurea; spira convexo-conoidea; anfr. 5—5½ convexiusculi, ultimus obsolete subangulatus, rarius virescens, antice sensim descendens; columella plana, parum arcuata, basi tuberculato-truncata, flava; apertura diagonalis, late semiovalis, intus fusca; perist. rectum, incrassatum, flavidum, marginibus callo nitido, late semicirculari junctis, dextro levissime repando, basali a columella sinu parvulo separato. — Operc. pallidum, rubro-submarginatum. — Diam. maj. 21, min. 18, alt. 12½ mill. (Coll. Nr. 42.)

Helicina Catalinensis Pfr. in Malak. Bl. III. 1856. p. 49. 142.
— — *Pfr.* Novit. conch. I. p. 83. n. 143. t. 23. f. 1—6.

Habitat prope Catalina in parte occidentali insulae Cubae (Gundlach).

Obs. Peraffinis *H. Sagraianae*, a cujus omnibus varietatibus constanter differt: ambitu magis orbiculari, anfractibus convexioribus, sinu columellari levissime inciso, etc.

13. **festiva Sow.** (Coll. 43. — *Gray* Phan. p. 247. — Emoda *Ad.* Gen. p. 304.) . . . . Mon. p. 343.
14. **silacea Mor.** (Coll. 44. — *Gray* Phan. p. 248. — Emoda *Ad.* Gen. p. 304. — *Pfr.* in Mal. Bl. 1856. p. 143. — *H. ochracea Poey* Memor. I. p. 112. 119. 414. t. 11. f. 1—4: Baracoa. — Verba „subtus radiatim decussata" in descriptione Moreletiana delenda sunt.) . . . . - - 344.

15. **H. Bastidana Poey.** †

„Testa depresso-globosa, crassa, oblique striatula; spira brevis, acutiuscula, rubro-fusca; anfr. 4½ planiusculi, ultimus infra peripheriam descendens, sub epidermide viridi, nitente albus, cingulo incompleto ad suturam pallido; epidermis caduca, strigis saturatioribus vel dilutioribus transverse vittata; apertura obliqua, semiovalis, intus albida; columella alba breviter dextrorsum arcuata, in tuberculum crassum desinens; peritrema candidum, antice duplex, internum late incrassato-repandum, deflexum, externum reflexiusculum, margine dextro

compresso, sinuato; callum diffusum, hyalinum, margines jungens, medio candidum. — Diam. maj. 25, min. 20, alt. 18 mill." (P.)

Helicina Bastidana Pocy Memor. I. p. 415. t. 33. f. 11. 12.
— — *Pfr.* in Malak. Bl. III. 1856 p. 144.

Habitat prope Puerto Principe insulae Cubae (D. PabloRuiz de la Bastida).

16. **H. Bayamensis Poey.**

T. depresso-globosa, solida, oblique striata; spira brevis, conoidea, obtusula, rubra; anfr. 4 planiusculi, ultimus convexior, infra peripheriam vix descendens, epidermide olivacea, strigis saturatioribus ornata vestitus, ad peripheriam cingulo flavido, rubro-marginato notatus; columella alba, breviter dextrorsum arcuata, in tuberculum crassum desinens; apertura diagonalis, subsemicircularis, intus lilacina; perist. candidum, marginibus callo candido, diffuso junctis, supero repando, dextro dilatato, incrassato, basali versus columellam sensim attenuato. — Diam. maj. 22, min. 18, alt. 15 mill. (Coll. Nr. 45.)

Helicina Bayamensis Pocy Memor. I. p. 416. t. 33. f. 8—11.
— — *Pfr.* in Malak. Bl. III. 1856 p. 143.

Habitat ad Bayamo insulae Cubae (Estrada).

17. **H. ciliata Poey.**

T. conoideo-semiglobosa, solida, lutea vel rufa, epidermide liras confertas elevatas formante asperata; spira conoideo-convexa; anfr. 5 vix convexiusculi, ultimus magnus, fascia peripherica pallida plerumque ornatus, antice vix descendens; columella arcuata, antrorsum in tuberculum incrassatum desinens, callum crassum album vel luteum, circumscriptum retrorsum emittens; apertura diagonalis, semiovalis, intus castanea vel rufa, albo-fasciata; perist. subincrassatum, margine supero expansiusculo, leviter repando, basali plicam albam pone columellam immitente. — Operc. solidum, fulvo-lilaceum, margaritaceum. — Diam. maj. $23^1/_2$, min. 20, alt. 15 mill. (Coll. Nr. 46.)

Helicina ciliata Pocy Memor. I. p. 109. 119. 414. t. 11. f. 5—8.
— — *Pfr.* in Malak. Bl. I. 1854. p. 102, III. 1856. p. 143. IV. 1857. p. 112.

β. Fossula subdistincta infra tuberculum columellare munita:
Helicina fossulata Pocy Memor. II. p. 25.
— — *Pfr.* in Malak. Bl III. 1856. p. 142.

Habitat in montibus prope Trinidad ins. Cubae (Lavallée, Gundlach).

Obs. Affinis *H. submarginatae Gray*, in qua sculptura spiralis in ipsa testa, nec in epidermide conspicitur. Ab *H. Briarea* praeter staturam epidermide aspera, peristomate vix incrassato, tuberculo columellari longiore, etc. discrepat.

18. **submarginata Gray.** (Coll. 47. — *Gray* Phan. p. 248. — *Poey* Memor. I. p. 414. — *Pfr.* in Mal. Bl. 1856. p. 143. — *Trosch.* Gebiss d. Schn. p. 82. t. 5. f. 12. — Alcadia *Mörch* Yold. p. 43. n. 865. — Emoda *Ad.* Gen. p. 304. — *H. rubra Pfr.* olim.) Mon. p. 344.

19. **H. Mayarina Poey.** †

„Testa subglobulosa, solida, subtus striatula, superne rugis irregulariter sculpta; spira brevissima, rubra, nucleo subelevato; anfr. 4 convexiusculi, ultimus infra peripheriam vix descendens, rubro-fuscus, rugis flavidis varius, subtus flavofuscescens; annulo flavescente ad peripheriam cinctus, vittae latae rubrae contiguo, basi elevatus; apertura obliqua, fere subverticalis, semilunaris, intus saturate rubra; columella albida, antrorsum breviter arcuata, in tuberculum parvulum desinens; peritrema rectum rectum, vix incrassatum, album, marginibus junctis callo diffuso, hyalino, medio sordide albo. — Diam. maj. 16, min. 13, alt. 13 mill.“ (P.)

Helicina Mayarina Poey Memor. I. p. 417. t. 34. f. 6—8.
— — *Pfr.* in Malak. Bl. III. 1856. p. 144.

Habitat ad portum Mayarí insulae Cubae (Gutierrez).

Obs. Inter omnes hujus sectiones species maxime globulosa.

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20. **pulcherrima Lea.** (Coll. 48. — *Gray* Phan. p. 248. — Emoda *Ad.* Gen. p. 304. — *Ch.* ed. nov. t. 6. f. 5. 6. — *Pfr.* in Mal. 1856. p. 144 et 1858. p. 47. — *H. crassa Orb.*, *Poey* Mem. I. p. 415. — Hab. Manzanillo: Gundlach. — Var. min.: *H. pulcherrima Poey* l. c. p. 415. — *Ch.* ed. nov. t. 1. f. 5—7. — *H. rubrocincta Poey* Mem. I. p. 417. t. 33. f. 16—19. — Hab. Buenavista prope Bayamo: Gundl.) . . . . Mon. p. 345.

21. **sanguinea Pfr.** (*Gray* Phan. p. 249. — *Ch.* ed. nov. p. 17. t. 8. f. 23. 24. — Emoda *Ad.* Gen. p. 304.) . . . . — — 345.

22. **striatula Sow.** (*Gray* Phan. p. 249. — *Ch.* ed. nov. p. 18. t. 8. f. 35. 36. — Emoda *Ad.* Gen. p. 304.) . . . . — — 346.

23. **H. repanda Pfr.**

T. conoideo-semiglobosa, solida, levissime striatula, nitidula, lutescenti-albida, fascia 1 rubra supramediana ornata; spira convexa, subacuminata; anfr. $4^1/_2$ vix convexiusculi, ultimus antice descendens; columella brevis, simplex, callum crassum, circumscriptum retrorsum emittens; apertura diagonalis, subtriangularis; perist. rectum, incrassatum, margine supero repando, basali versus columellam attenuato. — Operc.? — Diam. maj. 8, min. $6^1/_2$, alt. 5 mill. (Mus. Cuming.)

Helicina repanda Pfr in Proc. Zool. Soc. 1855. p. 101.

Habitat . . . ?

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24. **occulta Say.** (Coll. 49. — *Gould* in Binn. Terr. Moll. II. p. 356. t. 74. f. 2. — *Gray* Phan. p. 250. Emoda *Ad.* Gen. p. 304. — *Oligyra occulta Say.*) Mon. p. 346.
25. **pisum Phil.** (Coll. 50. — *Gray* Phan. p 250. — Emoda *Ad.* Gen. p. 304.) . . . . - - 347.
26. **Orbignyi Pfr.** (*Gray* Phan. p. 250. — *Ch.* ed. nov. p. 21. t. 8. f. 33. 34. — Emoda *Ad.* Gen. p. 304. — *Pfr.* in Mal. Bl. 1856. p. 144.) . . . . - - 347.

§. 3.

27. **Maugeriae Gray.** (Coll. 51. — *Gray* Phan. p. 251. — Emoda *Ad.* Gen. p. 304.) . . . . . Mon. p. 348.
28. **Rohri Pfr.** (Coll. 52. — *Gray* Phan p. 251. — Emoda *Ad.* Gen. 304. — *H. Marchionissa Jacq.* Pol Sud. Zool. V. p. 44. t. 11. f. 13–17?) . . . - - 348.
29. **miniata Less.** † (*Gray* Phan p. 251. — Emoda *Ad.* Gen. p. 304.) . . . . - - 349.

30. **H. pisum Jacquinot.** †

T. conoideo-semiglobosa, laevigata, lutea; spira conoidea, obtusula; anfr. 5 convexiusculi, ultimus medio obtuse angulatus; callus basalis nitidus, circumscriptus; apertura triangulari-semiovalis; perist. simplex, rectum, margine columellari declivi, subincrassato. — Operc. concolor. — Diam. maj. 7, min. $5^1/_2$ mill. (Ex ic.)

Helicina pisum Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 44. t. 11. f. 18–22.

Habitat in insula Taiti.

Obs. Nonne praecedenti nimis affinis?

31. **H. albolabris Jacquinot.** †

T. sublenticularis, laevigata, rubicunda; spira convexo-conoidea, acutiuscula; anfr. 5 vix convexiusculi, ultimus latior,

carinatus; callus basalis circumscriptus, albus; apertura triangulari-lunaris; perist. album, subincrassatum, margine superiore subrepando, columellari leviter arcuato. — Diam. maj. 9, min. $6^2/_3$ mill. (Ex ic.)

Helicina albolabris Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 45. t. 11. f. 23—26.

Habitat in insula Taiti.

32. **crassilabris Phil.** (*Gray* Phan. p. 252. — Emoda *Ad.* Gen. p. 304.) . . . . Mon. p. 349.
33. **solidula Gray.** (Coll. 53. — *Gray* Phan. p. 252. — Pachystoma *Mörch* Yold. p. 43. n. 864. — Emoda *Ad.* Gen. p. 304.) . . . . - - 349.
34. **lens Lea.** † (*Gray* Phan. p. 252. — Emoda *Ad.* Gen. p. 304.) . . . . - - 350.
35. **uberta Gould.** (Coll. 54. — *Pfr.* Mon. p. 367. — *Gray* Phan. p. 266. — *Ad.* Gen. p. 302. — *H. constricta Pfr.* Mon. n. 64. — *Gray* Phan. p. 252. — Emoda *Ad.* Gen. p. 304. — *H. rhodostoma Migh.* — Conf. *Pfr.* in Malak. Bl. 1857. p. 36. — Peristoma interdum tenuiter expansiusculo-limbatum.) . . . . - - 350.
36. **lenticularis Sow.** † (*Gray* Phan. p. 253. — Emoda *Ad.* Gen. p. 304.) . . . . - - 350.

§. 4.

37. **cingulata Pfr.** (Proc. 1852. p 141. — *Gray* Phan. p. 253. — Idesa *Ad.* Gen. p. 304.) . . . Mon. p. 351.
38. **Dominicensis Pfr.** (Proc. 1851. p. 149. — *Gray* Phan. p. 254. — Idesa *Ad.* Gen. p. 304.) . - - 352.

39. H. modesta Pfr.

T. subgloboso-conica, solidula, oblique striatula vel sublaevigata, nitidula, unicolor straminea; spira conica, acutiuscula; anfr. $4^1/_2$ modice convexi, ultimus turgidus, basi planiusculus; columella brevis, incrassata, alba, callum emittens nitidum, circumscriptum; apertura obliqua, subtriangulari-semiovalis; perist. simplex, rectum, margine dextro antrorsum subdilatato, basali ad columellam subsinuato. — Operc. subterminale, albidum. — Diam. maj. 6, min. 5, alt. 4 mill. (Coll. Nr. 55.)

Helicina modesta Pfr. in Proc. Zool. Soc. 1853. p. 52.
— — *Pfr.* in Malak Bl. I. 1854. p. 102.

Habitat in insula Tanna Novarum Hebridarum et paulo major in insulis Salomonis (Guadalcanar: Macgillivray).

40. **vestita Guild.** † (*Gray* Phan. p. 255. — Idesa *Ad.* Gen. p. 304.) . . . . Mon. p. 353.
41. **margaritacea Less.** † (*Gray* Phan. p. 255. — Idesa *Ad.* Gen. p. 304.) . . . . - - 353.

42. **H. exigua Jacquinot.** †

T. globoso-conica, tenuis, laevigata, rufo-cornea; spira conoidea, acutiuscula; anfr. 4 convexi, ultimus rotundatus; callus basalis crassus, carneus; apertura semiovalis; perist. simplex, tenue, margine columellari brevi, subverticali, calloso. — Diam. maj. 3, min. $2^1/_3$ mill. (Ex ic.)

Helicina exigua Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 46. t. 11. f. 32—35.

Habitat in insula Mangareva.

§. 5.

43. **costata Gray.** (Coll. 56. — *Gray* Phan. p. 253. — Idesa *Ad.* Gen. p. 304.) . . . . Mon. p. 351.
44. **laciniosa Migh.** (Coll. 57. — *Gray* Phan. p. 254. — Idesa *Ad.* Gen. p. 304) . . . . - - 352.
45. **microdina Mor.** † (*Gray* Phan. p. 256. — Idesa *Ad.* Gen. p. 304.) . . . . - - 354.

§. 6.

46. **H. umbonata Shuttleworth.** †

„Testa depresse semiglobosa, tenuiuscula, spiraliter confertim et obtuse lirata, liris validioribus minoribusque irregulariter alternantibus, nitidula, albida; spira brevis, exacte rotundata, apice papillaris; sutura linealis; anfr. 5 vix convexi, ultimus antice brevissime descendens, subtus basi planatus, non excavatus; apertura perobliqua, late lunaris; columella simplex, brevis, basi truncata, callo albido circumscripto munita; perist. simplex, vix breviter expansum, margine basali sub-incrassato, ad columellam angulato. — Diam. maj. 6, min. 5, alt. 3 mill.“ (Sh.)

Helicina umbonata Shuttl. Diagn. n. Moll. Nr. 7. p. 153.
— — (Idesa) *H.* et *A. Adams* Gen. II. p. 304.

Habitat in insula Portorico (Knox).

Obs. „*H. cingulatae Pfr.* affinis, sed major, minusque elata.“

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47. **subfusca Menke.** (Coll. 58. — *Gray* Phan. p. 257. — *Bland* in Ad. Contr. to Conch. Nr. 11. p. 217. — *Shuttl.* Diagn. Nr. 7. p. 153. — *Trosch.*

Gebiss d. Schn. p. 80. t. 5. f. 7. — Idesa *Ad.* Gen. p. 304. — *H. rotellina Pot.* et *Mich.* — *H. Hornbeckii Phil.* — *β. H. castanea Gould.* — Oligyra *Mörch* Yold. p. 43. n. 852.) . . . . Mon. p. 355.

48. **H. Hjalmarsoni Pfr.**

T. conoideo-depressa, solidula, laevigata, nitidula, fulva, ad suturam et prope aperturam purpurascens; spira convexa, submucronata; anfr. 4 planiusculi, sensim accrescentes, ultimus depresso-rotundatus, juxta columellam arcuato-rimatus; apertura fere diagonalis, subsemiovalis; columella rectangule a basi descendens, subtorta, vix recedens, callum emittens tenuem, circumscriptum; perist. obtusum, luteo-limbatum, margine dextro leviter antrorsum arcuato. — Operc. tenue, fulvidum. — Diam. maj. 8, min. 7, alt. 5 mill. (Coll. Nr. 59.)

Helicina Hjalmarsoni Pfr. in Malak. Bl. III. 1856. p. 50

— — *Pfr.* Novit. conch. I. p. 87. n. 150. t. 23. f. 28—31.

Habitat in insula Portorico, ubi inter Arecibo et Ponce legit Hjalmarson.

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49. **nitida Pfr.** (Coll. 60. — *Gray* Phan. p 257. — Idesa *Ad.* Gen. p. 304. — *Pfr.* in Mal. Bl. 1856. p 144. — *H. orbiculata Sow.?*) . . . . . . Mon. p. 356.

50. **H. glabra Gould.**

T. conoideo-depressa, tenuis, glabra, nitida, pellucida, incarnata; spira conoidea, acutiuscula; anfr. $4^1/_2$ vix convexiusculi, ultimus latus, rotundatus; apertura obliqua, subtriangulari-semiovalis; columella brevis, subverticalis, basi denticulum acutum formans, callum retrorsum emittens tenuissimum; perist. simplex, rectum, margine supero subrectilineari, basali antrorsum arcuato. — Operc. praecedentis. — Diam. maj. $6^1/_2$, min. $5^1/_2$, alt. $4^1/_3$ mill. (Coll. Nr. 61.)

Helicina glabra Gould in Proc. Bost. Soc. I. p. 138, teste Poey.

— — *Poey* Memor. II. p. 6. n. 215.

— — *Pfr.* in Malak. Bl. 1856. p. 145.

Habitat in insulae Cubae regione boreali.

Obs. Differt a praecedente spira elatiore et margine basali peristomatis (nec supero) antrorsum arcuato.

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51. **cornea Sow.** † (*Gray* Phan. p. 258. — Idesa *Ad.* Gen. p. 304.) . . . . Mon. p. 356.

52. **rustica Pfr.** (Coll. 62. — *Gray* Phan. p. 258. — Idesa *Ad.* Gen. p. 304. — *H. pallida Pfr.* olim.) - - 357.

53. **inconspicua Pfr.** (*Gray* Phan. p. 258. — Idesa *Ad.* Gen. p. 304.) . . . . - - 357.

§. 7.

54. **beryllina Gould.** (*Gray* Phan. p. 256. — Idesa *Ad.* Gen. p. 304.) . . . . - - 354.

55. **H. Norfolkensis Pfr.**

T. depresso-turbinata, solidula, leviter striata, albida; spira conoidea, versus apicem minute papillarem lutescens; anfr. 5 vix convexiusculi, ultimus antice rugosus, peripheria subangulatus, basi planiusculus, callo granuloso, nitido, circumscripto et epidermida fulva decidua obductus; columella brevis, arcuata; apertura fere diagonalis, subtriangulari-lunaris; perist. simplex, rectum, margine basali subincrassato. — Operc. testaceum, pallidum. — Diam. maj. 14, min. 12, alt. 8 mill. (Mus. Cuming.)

Helicina Norfolkensis Pfr. in Proc. Zool. Soc. 1856. p. 391.

Habitat in insulis Norfolk.

Obs. Similis *H. rotellae Sow.*

56. **rotelloidea Migh.** (Coll. 63. — *Gray* Phan. p. 254. — Idesa *Ad.* Gen. p. 304. — *H. Bronniana Phil.*) . . . . Mon. p. 352.

57. **H. pictella Pfr.**

T. conoideo-depressa, tenuis, sub lente tenuiter et subconferte lirata, parum nitida, diaphana, pallide cornea, ad suturam rubro-maculata; spira breviter conoidea; anfr. 4 convexiusculi, ultimus subangulatus, basi callo tenui subcircumscripto obductus; columella brevissima, simplex, tenuis; apertura parum obliqua, semiovalis; perist. simplex, rectum, margine basali angulum rectum cum columella formante. — Operc.? — Diam. maj. 4, min. $3^1/_3$, alt. 2 mill. (Mus. Cuming.)

Helicina pictella Pfr. in Proc. Zool. Soc. 1856. p. 392.

Habitat in insulis Norfolk.

58. **exigua Pfr.** (*Gray* Phan. p. 255. — Idesa *Ad.* Gen. p. 304.) . . . . Mon. p. 353.

59. **H. humilis Jacquinot.** †

T. sublenticularis, laeviuscula, fusco-cornea; spira breviter conoidea, acutiuscula; anfr. 4 celeriter accrescentes, convexius-

culi, ultimus subangulatus; callus basalis crassus, albus; apertura semiovalis; perist. simplex, rectum, margine basali versus columellam sensim incrassato, cum illa angulum formante. — Diam. maj. $5^1/_2$, min. $4^2/_3$ mill. (Ex. ic.)

Helicina humilis Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 45. t. 11. f. 27—31.

Habitat in insula Hogoleu.

§. 8.

60. **H. rudis Pfr.**

T. conoideo-depressa, solidula, ruditer striatula et submalleata, filocarinata, fulva; spira conoidea, acutiuscula; anfr. $4^1/_2$ plani, ultimus descendens, basi parum convexus; columella brevis, simplex, callum tenuem, subcircumscriptum retrorsum emittens; apertura diagonalis, subtriangularis; perist. simplex, rectum, acutum, margine basali cum columella angulum subrectum formante. — Operc.? — Diam. maj. $4^1/_3$, min. $3^1/_3$, alt. 3 mill. (Mus. Cuming.)

Helicina rudis Pfr. in Proc. Zool. Soc. 1855. p. 102.

Habitat . . . ?

61. **H. Shanghaiensis Pfr.**

T. depresse conoidea, tenuis, carinata, laevigata, pallide cornea, rufo-strigata; spira breviter conoidea, obtusula; anfr. 5 convexiusculi, ultimus non descendens, ad suturam et carinam subacutam pallide articulatus, basi convexior; columella brevis, verticalis, callum emittens tenuem; apertura fere diagonalis, subtriangularis; perist. simplex, rectum, acutum, margine basali leviter arcuato, cum columella angulum formante. — Operc. tenue, corneum. — Diam. maj. $4^1/_2$, min. 4, alt. $2^2/_3$ mill. (Mus. Cuming.)

Helicina Shanghaiensis Pfr. in Proc. Zool. Soc. 1855. p. 102.

Habitat Shanghai Chinae (Fortune).

62. **H. Sandwichiensis Souleyet.**

T. conoideo-lenticularis, solidula, liris nonnullis obsoletis spiralibus notata, rufa, epidermide lutescente irregulariter strigata; spira conoidea, acutiuscula; anfr. 4 plani, carinati, subexserti, ultimus basi convexus; columella brevis, callum emittens albidum, margines jungentem; apertura perobliqua, triangularis; perist. simplex, rectum, margine basali cum columella

angulum rectum formante. — Diam. maj. $4^1/_3$, min. $2^2/_3$, alt. $2^1/_2$ mill. (Mus. Cuming.)

Helicina Sandwichiensis Soul. in Voy. Bonite. Zool. II. p. 529. *) t. 30. f. 1—5.

Oligyra Sandwichiensis M. E. Gray Fig. Moll. Anim. t. 303. f. 10. (ex Soul.)

β. Pallidior, tenuior, callo basali minus crasso!

Habitat in insulis Sandwich. (Dr. Newcomb); var. β „Loyalty Island" Oceani Australici (Macgillivray).

Obs. Similis *H. laciniosae Migh.*, sed carinata!

§. 9.

63. **H. zebriolata Pfr.**

T. subconoideo-depressa, tenuis, striatula, parum nitida, strigis flexuosis rubris et albidis variegata, vel rubra, albo-punctata; spira parvula, parum elata, subacuta; anfr. $4^1/_2$ plani, ultimus latus, acute carinatus, basi inflatus; columella brevis, simplex, callum emittens tenuem; apertura perobliqua, semiovali-subtriangularis; perist. simplex, rectum, margine basali in columellam subangulatim transeunte. — Diam. maj. $6^3/_4$, min. $5^1/_2$, alt. $3^1/_2$ mill. (Mus. Cuming.)

Helicina zebriolata Pfr. in Proc. Zool. Soc. 1855. p. 101.

Habitat „Lord Howe's Island" Oceani Australis (Macgillivray).

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64. **zonata Less.** † (*Gray* Phan. p. 259. — Idesa *Ad.* Gen. p. 304.) . . . . Mon. p. 358.

65. **villosa Ant.** (*Gray* Phan. p. 259. — Idesa *Ad.* Gen. p. 304. — *H. pilosa Sow.*) . . . . - - 358.

66. **H. articulata Pfr.**

T. sublenticularis, carinata, tenuis, striatula, nitida, rubello-fusca, pallidius strigata, fasciis 2 castaneo et albo articulatis ad suturam et carinam ornata; spira convexiusculo-conoidea, acuminata; anfr. $4^1/_2$ subplani, sensim accrescentes, ultimus infra carinam subacutam convexus; columella breviter

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*) H. testa orbiculato-subconoidea, carinata, subalbida, flammulis rubicundis et undatis ornata; spira conico-depressa, obtusiuscula; anfractibus quinis, depressiusculis; apertura subtrigona; peristomate acuto, postice incrassato. — Operc. corneum, subovatum, tenue, pellucidum, substriatum. — Lat. 4, alt 3 mill. — Ins. Sandwich. (Soul. l. c.)

recedens, callum emittens tenuem, albidum, sulco levi circumscriptum; apertura diagonalis, subtriangularis; perist. simplex, rectum, acutum, marginibus vix arcuatis. — Operc. immersum, corneum. — Diam. maj. 5, min. $4^1/_2$, alt. 3 mill. (Mus. Cuming.)

Helicina articulata Pfr. in Proc. Zool. Soc. 1853. p. 53.
— — *Pfr.* in Malak. Bl. I. 1854. p. 103.

Habitat in insula Tanna Novarum Hebridarum.

§. 10.

69. H. ampliata C. B. Adams.

T. globoso-conica, solidula, vix striatula, nitidula, lutescenti-albida; spira convexo-conica, submucronata; anfr. $5^1/_2$ vix convexiusculi, ultimus magnus, peripheria obsolete subangulatus, basi planiusculus; columella curvata, a basi callum crassum, luteum retrorsum emittens; apertura diagonalis, subtriangulari-semiovalis; perist. simplex, expansiusculum, margine supero medio depresso, basali ad columellam tenuissimo. — Operc.? — Diam. maj. 17, min. $14^1/_2$, alt. $11^1/_2$ mill. (Mus. Cuming.)

Helicina ampliata Adams, Pfr. Mon. Pneum. p. 371. n. 72.
— — *Gray* Cat. Phan. p 269.
— — (Oligyra) *H. A.* et *Adams* Gen. II. p. 302.

Habitat in insula Jamaica.

Obs. Similis *H. adspersae*; eodem modo variat statura (saepe plus quam dimidio minor, tum ad *H. Jamaicensem Sow.* propius accedens).

73. **H. Cordillerae Sallé.**

T. depresse globoso-conica, solida, striatula, opaca, albida, fascia 1 rubra supra peripheriam, nonnullisque pallidioribus obsoletis cincta; spira conoidea, sursum fusco-carnea, apice acuta; anfr. $5\frac{1}{2}$ vix convexiusculi, ultimus depresse rotundatus; columella extus vix impressa, callosa, basi in nodulum terminata, callum emittens crassiusculum, circumscriptum; apertura diagonalis, triangulari-semiovalis; perist. calloso-incrassatum, angulatim patens, margine basali in tuberculum columellae transeunte. — Operc. corneum, castaneum. — Diam. maj. $12\frac{1}{3}$, min. $10\frac{2}{3}$, alt. 8 mill. (Coll. Nr. 67.)

Helicina Cordillerae Sallé mss.

— — *Pfr.* in Proc. Zool. Soc. 1856. p. 323.

β. Paulo major, unicolor fusco-carnea, impressione columellari distinctiore.

Habitat in vulcano Orizaba reipubl. Mexicanae, 12000′ supra mare (Sallé).

74. **H. delicatula Shuttleworth.** †

„T. depresse conico-globosa, tenuis, obsolete et grosse plicatula, sub lente lineolis flexuosis confertissimis eleganter insculpta, vix nitida, albida, fascia unica rubescenti-aurantiaca zonata; spira mediocris, conoidea, acutiuscula; anfr. 5 vix convexiusculi, sensim accrescentes, ultimus modice descendens; apertura perobliqua, integra, subsemicircularis; columella basi extus indentata, callo crassiusculo parum effuso; perist. tenue, breviter expansum, margine basali in columellam vix angulatim transeunte. — Operc.? — Diam. maj. $7\frac{1}{2}$, min. 6, alt. 5 mill.“ (Sh.)

Helicina delicatula Shuttl. in Bern. Mittheil. 1852. p. 303. — Diagn. Nr. 3. p. 43.

— — *Pfr.* in Malak. Bl. I. 1854. p. 103.

Habitat Cordova Status Veracruz (Jacot-Guillarmod).

Obs. „Species pulchella forsan prope *H. Neritella Lam.* collocanda, sed textura et sculptura minutissima ab affinibus distincta.“

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75. **Jamaicensis Sow.** (Coll. 68. — *Gray* Phan. p. 262. — *Ad.* Gen. p. 302.) . . . . Mon. p. 363.

76. **aurantia Gray.** (Coll. 69. — *Gray* Phan. p. 263. — *Ad.* Gen. p. 302. — Pachystoma *Mörch* Yold. p. 43. n. 860. — *H. pyrrhostoma Menke.*) . . . - - 363.

77. **intusplicata Pfr.** (*Gray* Phan. p. 263. — *Ad.* Gen. p. 302.) . . . . - - 364.

78. **H. retracta Poey.**

T. globoso-conica, tenuis, laevigata, pellucida, nitida, carneo-rufa; spira conoidea, acutiuscula; sutura vix impressa, plerumque albo-marginata; anfr. 5, superi convexiusculi, ultimus magnus, rotundatus; columella callosa, verticaliter ab anfr. penultimo descendens, desinens in denticulum, callum retrorsum emittens saturatiorem, nitidum, circumscriptum; apertura vix obliqua, triangulari-semiovalis; perist. simplex, brevissime expansum, margine supero prope insertionem, basali juxta columellam sinuoso. — Operc. tenue, fusco-purpureum. — Diam. maj. 10, min. 8, alt. 7 mill. (Coll. Nr. 70.)

Helicina retracta Poey Memor. I. p. 116. 120. t. 12. f. 22—26.
— — *Pfr.* in Malak. Bl. I. 1854. p. 103. III. 1856. p. 146.

Habitat Cayajabos insulae Cubae (Don Nazareno de la Paz).

Obs. Affinis *H. rotundae Orb.*, spira parvula facile distinguenda.

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79. **bulla Pfr.** (Proc. 1852. p. 145. — *Gray* Phan. p. 264. — *Ad.* Gen. p. 302.) . . . . Mon. p. 364.
80. **pellucida Sow.** † (*Gray* Phan. p. 264. — *Ad.* Gen. p. 302.) . . . . - 365.

81. **H. sphaeroidea Pfr.**

T. subglobosa, solidula, sub lente minutissime striata, parum nitens, pallide virenti-straminea; spira rotundata, subacuminata; anfr. $4\frac{1}{2}$ convexiusculi, ultimus magnus, infra medium obsoletissime angulatus; columella albo-callosa, recedens, basi indistincte dentata, callum emittens diffusum; apertura diagonalis, late semiovalis; perist. simplex, brevissime expansum, margine basali cum columella angulum subacutum formante. — Operc.? — Diam. maj. 7, min. 6, alt. $5\frac{1}{2}$ mill. (Mus. Cuming.)

Helicina sphaeridea Pfr. in Proc. Zool. Soc. 1855. p. 102.

Habitat „Loyalty Island" Oceani Australici (Macgillivray).

82. **H. concinna Gundlach.**

T. conico-globosa, solidula, laevigata, albida vel pallide rosea, saepe fasciis 1—2 rubris ornata; spira convexo-conoidea, apice flavo vel igneo mucronulata; anfr. $5\frac{1}{2}$ planiusculi, ultimus inflatus, antice breviter deflexus et subconstrictus; columella brevis, callum emittens latiusculum luteum vel aurantiacum, terminata in denticulum acutum; apertura obliqua, late semiovalis, intus nitide flava vel ignea; perist. brevissime

expansum, margine basali flexuoso, sinu levi a denticulo columellae separato. — Operc. immersum, testaceum, pallidum. — Diam. maj. 6, min. 5, alt. 4 mill. (Coll. Nr. 71.)

Helicina concinna Gundl. in Malak. Bl. IV. 1857. p. 178.

Habitat prope Cabo de Cruz insulae Cubae.

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83. **oleosa Pfr.** (Proc. 1852. p. 141. — *Gray* Phan. p. 265. — *Ad.* Gen. p. 302.) . . . . Mon. p. 366.
84. **parva Sow.** (*Gray* Phan. p. 265. — *Ad.* Gen. p. 302.) . . . . - - 367.
85. **flammea Quoy.** † (*Gray* Phan. p. 266. — *Ad.* Gen. p. 302. — *Oligyra flammea M. E. Gray* Fig. t. 311. f. 3 ex Quoy.) . . . . - - 367.
86. **musiva Gould.** † (*Gray* Phan. p. 266. — *Ad.* Gen. p. 302.) . . . . - - 368.
87. **fragilis Mor.** † (*Gray* Phan. p. 266. — *Ad.* Gen. p. 302. — In diagnosi legatur: cum margine basali angulo [nec callo] prominulo juncta.) . . . - - 368.

§. 11.

88. **globosa Gray.** (Coll. 72. — *Gray* Phan. p. 259. — *Ad.* Gen. p. 302.) . . . . Mon. p. 358.
89. **rostrata Mor.** † (*Gray* Phan. p. 261. — *Ad.* Gen. p. 302.) . . . . - - 361.

90. H. egregia Pfr.

T. subgloboso-conoidea, tenuiuscula, spiraliter substriata, albida, superne taenia lata fulvida et ad peripheriam fascia castanea ornata; spira parvula, conoidea, acuta; anfr. vix 5 convexiusculi, ultimus magnus, peripheria rotundatus; columella brevis, in nodum dentiformem abiens, callum emittens lutescentem, circumscriptum; apertura obliqua, subtriangularis; perist. subincrassatum, horizontaliter patens. — Operc.? — Diam. maj. $11^1/_2$, min. 9, alt. $7^1/_2$ mill. (Mus. Cuming.)

Helicina egregia Pfr. in Proc. Zool. Soc. 1855. p. 118.

Habitat „Wanderer Bay, Guadalcanar" insularum Salomonis (Macgillivray).

Obs. Peraffinis *H. spiniferae Pfr.*

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91. **Tamsiana Pfr.** (Coll. 73. — *Chn* ed. nov. p. 70. t. 10. f. 9—11. — *Gray* Phan. p. 264. — *Ad.* Gen. p. 302.) . . . . Mon. p. 365.
92. **sordida King.** † (*Gray* Phan. p. 265. — *Ad.* Gen. p. 302.) . . . . - - 366.

93. **arenicola Mor.** (Coll. 74. — *Ch.* ed. nov. p. 73. t. 10. f. 24—27. — *Gray* Phan. p. 265. — *Ad.* Gen. p. 302.) . . . . - - 366.

§. 12.

94. H. columellaris Gundlach.

T. conico-globosa, solida, sublaevigata (sub lente decussatula), carneo-albida; spira conica, acuta, nucleo albo; anfr. 7½ vix convexiusculi, ultimus spira brevior, convexior, obsolete subangulatus; columella subrecedens, incrassata, rufa, sursum in callum citrinum diffusa; apertura diagonalis, subtriangulari-semiovalis, intus lutea; perist. album, breviter expansum, margine dextro medio subsinuato, basali cum columella angulum rectum formante. — Operc. tenue, costa elevata longitudinali munitum, margine columellari incrassato. — Diam. maj. 17, min. 14, alt. 13 mill. (Coll. Nr. 75.)

Helicina columellaris Gundl. in Poey Memor. II. p. 14. t. 1. f. 16.
— — *Gundl.* in Malak. Bl. III. 1856. p. 39.
— — *Pfr.* in Malak. Bl. III. 1856. p. 147.
— — *Pfr.* Novit. conch. I. p. 84. n. 145. t. 23. f. 11—13.

Habitat Rangel insulae Cubae.

95. H. Blandiana Gundlach.

T. conico-globosa, solida, sublaevigata (sub lente decussatula), carneo-albida, apice lutescens; spira conica, acuta, nucleo albo; anfr. 6½ convexiusculi, summi angulati, ultimus spiram subaequans, convexior, infra medium subangulatus; columella recedens, aurantiaca, in callum tenuem, lutescentem diffusa; apertura diagonalis, trapezio-semiovalis, intus aurantiaca; perist. breviter expansum, margine dextro antrorsum arcuato, basali cum columella angulum subacutum formante. — Operc. ut in *H. columellari.* — Diam. maj. 13, min. 11⅔, alt. 10 mill. (Coll. Nr. 76.)

Helicina Blandiana Gundl. in *Poey* Memor. II. p. 14. t. 1. f. 19.
— — *Gundl.* in Malak. Bl. III. 1856. p. 40.
— — *Pfr.* in Malak. Bl. III. 1856. p. 147.
— — *Pfr.* Novit. conch. I. p. 85. n. 146. t. 23. f. 14—16.

Habitat in insula Cuba; in ripis fluvii San Diego de los Baños.

96. H.? jugulata Poey.

T. conica, solidula, sublaevigata, terra agglutinata sordida, alba, apice carnea; spira regulariter conica, acuminata; anfr. 8

parum convexi, ultimus utrinque convexior; columella brevis, leviter recedens, retrorsum in callum nitidum atrosanguineum dilatata; apertura obliqua, triangulari-semiovalis, intus fusco-aurantiaca; perist. album, tenue, acutum, parte mediana et basali fere rectangule late patentibus. — Operc. calcareum, sanguineum, margine incrassatum. — Diam. maj. 13, min. 10, alt. 12 mill. (Coll. Nr. 77.)

Helicina jugulata Poey Memor. II. p. 34. t. 4. f. 3. 4.
— — *Pfr.* in Malak. Bl. V. 1858. p. 4.
β. Testa fulva, nitida, callo atrosanguineo.

Habitat in monte Guane dicto, partis occidentalis insulae Cubae.

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97. **acuminata Vel.** (Coll. 78. — *Poey* Memor. I. p. 112. 119. t. 5. f. 13—16. — *Gray* Phan. p. 268. — Oligyra *Ad.* Gen. p. 302. — *Pfr.* in Mal. Bl. 1856. p. 148. — *H. lutescens Newc.* mss. teste Poey. — Habitat San Diego „Cordillera occidental.") . . Mon. p. 370.

98. **H. chrysocheila Binney.** †

„H. testa ovato-conica, tenui, nitida, lutea, striis tenuissimis decussantibus insculpta; anfractibus quinque, convexiusculis, ultimo magno, ad peripheriam angulato; basi complanato; apertura perobliqua, semi-elliptica; labro tenui, reflexo, flavo, callo labiali aurantiaco. — Axis $^1/_3$, diam. $^2/_5$ poll." (Gould.)

Helicina chrysocheila Gould in Binn. Terr. Moll. II. p. 354. t. 74. f. 4.

Habitat in Statibus Unitis?

Obs. Forma *H. turbinatae* proxima, callo aurantiaca ad species Cubanas nonnullas propius accedens.

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99. **turbinata Wiegm.** (Coll. 79. — *Gray* Phan. p. 268. — Oligyra *Ad.* Gen. p. 302.) . . . . . Mon. p. 370.

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100. **H. Sandozi Shuttleworth.** †

„Testa conico-globosa, tenuiuscula, laevigata, vix nitidiuscula, sordide albida; spira conoidea, acutiuscula; anfr. $5^1/_2$, planiusculi, ultimus rotundatus, basi inflatus, antice subascendens; apertura lunaris, parum obliqua; columella brevis, arcuata, basi in tuberculo dentiformi incrassata, callo tenui effuso; perist. conspicue incrassatum, brevissime expansum, margine dextro flexuoso, basali pone tuberculum obtuse subexciso. — Operc.? — Diam. maj. 11, min. $9^1/_2$, alt. 9 mill." (Sh.)

Helicina Sandozi Shuttl. in Bern. Mitthell. 1852. p. 303. Diagn. Nr. 3. p. 43.
— — *Pfr.* in Malak. Bl. I. 1854. p. 105.

Habitat in republicana Mexicana (Sandoz).

Obs. „Species distinctissima, ex incisura peristomatis Alcadias paululum approximans, sed testae forma, et textura potius forsan *H. turbinatae Wiegm.* affinis."

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101. **zephyrina Ducl.** (Coll. 80. — *Gray* Phan. p. 268. — Oligyra *Ad.* Gen. p. 302. — *H. Ambeliana Sow.* — *Oligyra zephyrina M. E. Gray* Fig. t. 311. f. 2 ex Ducl. — Operc. tenue, castaneum, nucleo flavido. — *β.* Tenuior, alba, fascia unica lata rubra, linea articulata inferne cincta, ornata. — *γ.* Tenuis, straminea, linea 1 interrupta fusca supra medium ornata. — Hab. Vera Cruz, Mexico.) . . . Mon. p. 371.

102. **H. Chiapensis Pfr.**

T. globoso-turbinata, tenuis, striatula et sub lente magis minusve distincte malleata, rubello-cornea, obsolete saturatius fasciata; spira turbinata, acuta; anfr. 6 convexiusculi, ultimus spiram aequans, peripheria obsoletissime subangulatus; columella brevis, antrorsum in denticulum desinens, superne callum crassiusculum, circumscriptum emittens; apertura obliqua, acuminato-subovalis; perist. album, late expansum, ad insertiones angustatum. — Operc. tenue, nigro-purpurascens, nucleo pallido. — Diam. maj. 12, min. 10, alt. 9 mill. (Coll. Nr. 81.)

Helicina Chiapensis Pfr. in Proc. Zool. Soc. 1856. p. 380.

Habitat Chiapa reipublicae Mexicanae (Ghiesbreght).

103. **H. Sprucei Pfr.**

T. globoso-turbinata, tenuis, laevigata, diaphana, carnea vel pallide lutescens, albido interdum interrupte fasciata; spira convexiusculo-conoidea, acuta; anfr. 5 convexiusculi, ultimus rotundatus, spiram aequans; columella breviter recedens, subincrassata, basi subdentata, callum emittens tenuem, albidum; apertura obliqua, semiovalis; perist. breviter expansum, margine basali flexuoso, sinu levi a columella separato. — Operc.? — Diam. maj. 9, min. 8, alt. $6\frac{1}{2}$ mill. (Mus. Cuming.)

Helicina Sprucei Pfr. in Proc. Zool. Soc. 1857. p. 111.

Habitat Tarapoto in Andibus Peruanis (Spruce).

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104. **tenuis Pfr.** (*Gray* Phan. p. 269. — Oligyra *Ad.* Gen. p. 302. — Var. γ. Subunicolor fulva vel lutea ex ins. Barbadoes?) . . . . Mon. p. 372.

105. **vernalis Mor.** (Coll. 82. — *Gray* Phan. p. 269. — Oligyra *Ad.* Gen. p. 302.) . . . . - - 372.

106. **Oweniana Pfr.** (Coll. 83. — *Gray* Phan. p. 270. — Oligyra *Ad.* Gen. p. 302. — β. Superne rosea, fascia 1 violacea cincta: Chiapa. — γ. *H. coccinostoma Mor.*) . . . . - - 373.

107. H. phasianella Sowerby.

T. subgloboso-conoidea, tenuiuscula, striatula, albido et rubro vel fusco marmorata; spira convexo-conoidea, mucronulata; anfr. $5^1/_2$ convexiusculi, ultimus obsolete subangulatus, plerumque medio fascia alba et infra eam altera rufa ornatus; callus basalis diffusus, ad columellam fovea punctiformi notatus; apertura obliqua, semiovalis; columella brevis, basi subdentata; perist. album, tenue, expansum. — Operc. tenue, rufo-sanguineum. — Diam. maj. $8^1/_2$, min. $7^1/_2$, alt. 6 mill. (Coll. Nr. 84.)

Helicina phasianella Sow. in sched.
— — *Pfr.* in Malak. Bl. III. 1856. p. 50.
— — *Pfr.* Novit. conch. I. p. 87. n. 149. t. 23. f. 24—27.
— *fasciata Shuttl.* Diagn. n. Moll. Nr. 7. p. 154? (quoad localitatem)

Habitat in insulis Portorico, Vieque et St. Johns.

Obs. Specimina juniora carinis pluribus munita, lutoque agglutinato nigro obducta sunt.

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108. **rotunda Orb.** (Coll. 85. — *Gray* Phan. p. 258. — Idesa *Ad.* Gen. p. 304. — *Pfr.* in Mal. Bl. 1856. p. 146. — *Trosch.* Gebiss d. Schn. p. 81. t. 5. f. 10. 11. — *H. campanula Pfr.* Mon. p. 374. — *Gray* Phan. p. 271. — Oligyra *Ad.* Gen. p. 302. — β. Rosea, spira sanguinea. — Habitat „Cordillera de Organos“ provinciae occidentalis ins. Cubae.) . . Mon. p. 357.

109. **platychila Mühlf.** (Coll. 86. — *Gray* Phan. p. 256. — Idesa *Ad.* Gen. p. 304. — *H. neritella Pot.* et *Mich.*? — *H. unicolor Fér.*? — *H. lutea Sow.*) . . . . - - 354.

110. **tropica Jan.** (Coll. 87. — *Gray* Phan. p. 271. *Trosch.* Gebiss d. Schn. p. 81. t. 5. f. 9. — Oligyra *Ad.* Gen. p. 302.) . . . . - - 374.

111. H. orbiculata Say.

T. subglobosa, tenuis, striatula, diaphana, pallide virens, flavida vel rubella; spira subconoidea, obtusula; anfr. 5—$5^1/_2$

convexiusculi, ultimus rotundatus, fascia peripherica pallida saepe cinctus; columella brevis, vix recedens, basi leviter tuberculata, callum emittens tenuem, diffusum; apertura obliqua, subsemicircularis; perist. subcallosum, breviter expansum, margine basali cum tuberculo columellae subangulatim juncto. — Operc. tenuiusculum, concolor. — Diam. maj. $7^1/_2$, min. $6^2/_3$, alt. 6 mill. (Coll. Nr. 88.)

Oligyra orbiculata Say 1857.
Helicina orbiculata Blainv., Pfr. Mon. p. 375. n. 80.
— — *Chemn.* ed. nov. p. 74. t. 10. f. 32. 33.
— — *Gould* in *Binn.* Terr. Moll. II. p. 352. t. 7? t. 74. f. 3.
— — *Gray* Cat. Phan. p. 272.
— — (Oligyra) *H.* et *A. Adams* Gen. II. p. 302.
— *rubella Green* in Doughty's Cab. Nat. Hist. II. p. 292 teste Gould.
— — *Binn.* Terr. Moll. III. t. 74. f. 1 ?

Habitat in Florida, Alabama, Georgia.

112. **H. globulosa Orbigny.**

T. depresso-globosa, tenuis, subtilissime striatula, nitidula, alba, plerumque zonis rufis vel virenti-luteis superne ornata; spira convexo-conoidea; anfr. 5 — 6 convexiusculi, ultimus inflatus; columella brevis, simplex, leviter arcuata; apertura obliqua, subsemicircularis, intus concolor; perist. tenue, breviter expansum, margine supero subsinuato. — Operc. membranaceum, pallide succineum. — Diam. maj. 8, min. $6^2/_3$, alt. 5 mill. (Coll. Nr. 89.)

Helicina globulosa Orb., Pfr. Mon. Pneum. p. 365. n. 58.
— — *Gray* Cat. Phan p. 264.
— — *H.* et *A. Adams* Gen. II. p. 302.
— — *Pfr.* in Malak. Bl. III. 1856. p. 146.
— *vittata Gould* in *Jay* Catal. 1850. p 262.

Habitat in insula Cuba; Punta San Juan de los Perros (Gundlach).

113. **H. elongata Orbigny.**

T. elongato-conica, solidula, sublaevigata, oblique rugoso-malleata, nitidula, luteo-albida; spira elevata, apice acuta; sutura impressa; anfr. $7^1/_2$ vix convexiusculi, ultimus rotundatus, basi spiraliter subsulcatus; columella breviter recedens, callum emittens semicircularem; apertura parum obliqua, subsemicircularis; perist. acutum, medio dilatatum, late patens, superne et prope columellam angustatum. — Operc. solidum,

laeve, carneum, margine albidum. — Diam. maj. 8½, min, 8, alt. 8 mill. (Coll. Nr. 90.)

Helicina elongata Orb. Moll. Cub. I. p. 251. t. 20. f. 16—18. Nec *Pfr.* Mon.
— — *Sow.* Thes. t. 3. f. 110.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.
— — — *Pfr.* in Malak. Bl. III. 1856. p. 149.

Habitat „Sierra de Organos" insulae Cubae (Gundlach).

114. **H. elata Shuttleworth.**

„Testa turbinata, solidiuscula, sub lente minutissime et confertim striatula, caeterum laevigata, carnescenti-albida; spira conoideo-elata, apice obtusiuscula; anfr. 5, convexiusculi, ultimus non descendens, basi planiusculus; apertura parum obliqua, subsemicircularis; columella brevis, stricta, callo tenuiusculo effuso; perist. subincrassatum, brevissime expanso-reflexiusculum, margine basali cum columella rectangulariter conjuncto et quasi abscisso. — Operc.? — Diam. maj. 4½, alt. fere 5 mill." (Sh.)

Helicina elata Shuttl. in Bern. Mittheil. 1852. p. 304. Diagn. Nr. 3. p. 44.
— — *Pfr.* in Malak. Bl. I. 1854. p. 107.

Habitat Cordova Status Veracruz (Jacot-Guillarmod).

Obs. „Affinis *H. pygmaeae Pot.* et *Mich.* ex icone, et forsan etiam *H. flavidae Menke*, sed sculptura et angulo basali satis distincta."

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115. **pygmaea Pot. et Mich.** † (*Gray* Phan. p. 273. — Oligyra *Ad.* Gen. p. 302.) . . . . Mon. p. 377.

116. **trochulina Orb.** (Coll. 91. — *Ch.* ed. nov. p. 68. t. 9. f. 34—36. — *Gray* Phan. p. 273. — *Shuttl.* Diagn. Nr. 7. p. 153. — *Pfr.* in Mal. Bl. 1855. p. 96. 1856. p. 150. — Oligyra *Ad.* Gen. p. 302. — Habitat in Portorico! An etiam in Cuba?) - - 377.

§. 13.

117. **Reeveana Pfr.** (*Gray* Phan. p 271. — Oligyra *Ad.* Gen. p. 302. — *Pfr.* in Mal. Bl. 1856. p. 147.) Mon. p. 374.

118. **H. riparia Pfr.**

T. conica, tenuiuscula, oblique striatula, alba; spira conoidea, acutiuscula; anfr. 5½ convexiusculi, sensim accrescentes, ultimus spira brevior, basi subconvexus; columella a basi rectangule descendens, breviter recedens, callum emittens

tenuem, circumscriptum; apertura vix obliqua, fere semicircularis; perist. simplex, undique breviter expansum. — Operc.? — Diam. maj. 7, min. $6^1/_4$, alt. 5 mill. (Mus. Cuming.)

Helicina riparia *Pfr.* in Proc. Zool. Soc. 1853. p. 53.

— — *Pfr.* in Malak. Bl. I. 1854. p. 106.

Habitat prope Calamar in ripa fluvii Magdalenae, Novae Granadae.

119. **H. merdigera Sallé.**

T. globoso-turbinata, tenuis, irregulariter et subdistanter striata, sub tegumento lutoso rubicunda vel hyalina; spira elata, conica, acutiuscula; anfr. $5^1/_2$ convexiusculi, ultimus utrinque convexior; columella brevis, basi extrorsum subdentata, callum emittens tenuissimum; apertura diagonalis, subsemicircularis; perist. simplex, breviter expansum, margine basali sensim in denticulum columellae abeunte. — Operc. tenue, nitidum, concolor. — Diam. maj. 6, min. 5, alt. $4^1/_2$ mill. (Mus. Cuming.)

Helicina merdigera Sallé mss.

— — *Pfr.* in Proc. Zool. Soc. 1855. p. 102.

Habitat Veracruz reipublicae Mexicanae (Sallé).

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120. **Antoni Pfr.** (Coll. 92. — *Gray* Phan. p. 273. — Oligyra *Ad.* Gen. p. 302.) . . . . Mon. p. 377.

§. 14.

121. **sinuosa Pfr.** (*Ch.* ed. nov. p. 7. t. 10. f. 7. 8. — *Gray* Phan. p. 267. — Oligyra *Ad.* Gen. p. 302.) Mon. p. 369.

122. **H. Heloisae Sallé.**

T. turbinato-globosa, solidula, levissime striatula, striis spiralibus sub lente obsolete decussata, nitida, subunicolor lutea, vel cingulo purpurascente, sursum diluto ornata, spira convexo-conoidea, acuminata; sutura pallida; anfr. 6 convexi, ultimus peripheria vix subangulatus, basi planiusculus, callo nitido circumscripto munitus; columella arcuata, filaris; apertura diagonalis, subsemicircularis; perist. tenuiusculum, expansum, margine dextro leviter flexuoso. — Operc.? — Diam. maj. $9^2/_3$—11, min. $8^1/_2$—$9^1/_2$, alt. 7—8 mill. (Coll. No. 93.)

Helicina Heloisae Sallé mss.

— — *Pfr.* in Proc. Zool. Soc. 1856. p. 322.

Habitat Cordova Status Veracruz (Sallé).

123. **H. notata Sallé.**

T. globoso-turbinata, solidula, striata et liris subdistantibus levibus circumdata, carnea vel straminea; spira convexiusculo-conica, acuta; anfr. $5^1/_2$ vix convexiusculi, ultimus spiram subaequans, convexior; columella brevis, basi tuberculata, callum crassum, circumscriptum retrorsum emittens; apertura fere diagonalis, subsemicircularis; perist. calloso-incrassatum, album, angulatim patens. — Operc. tenue, margine externo purpureo. — Diam. maj. $8^1/_3$, min. 7, alt. 7 mill. (Coll. Nr. 94.)

Helicina notata Sallé mss.
— — *Pfr.* in Proc. Zool. Soc. 1856. p. 323.

Habitat Cordova Status Veracruz. (Sallé).

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124. **haemastoma Moric.** (Coll. 95. — *Gray* Phan. p. 270. — Oligyra *Ad.* Gen. p. 302.) . . Mon. p. 373.

125. **H. chrysocheila Shuttleworth.** †

„Testa depresse subgloboso-conica, solidula, tenuissime striatula, lineisque 3—4 impressis spiralibus remote circumdata, flavescenti-albida, nitidiuscula; spira elata, conica; anfr. $5^1/_2$, vix convexiusculi, ultimus sensim descendens, basi planulatus; apertura valde obliqua, subtriangularis; columella simplex; perist. valde calloso-incrassatum, nitidissimum, modice expansum, aurantiacum, margine supero stricto, columellari subito in callo crasso late effuso, saturate aurantiaco, nitidissimo transeunte. — Operc. pallidum, corneum. — Diam. maj. 9, min. 8, alt. $6^1/_2$ mill.“ (Sh.)

Helicina chrysocheila Shuttl. in Bern. Mittheil. 1852. p. 303. Diagn. Nr. 3. p. 43.
— — *Pfr.* in Malak. Bl. I. 1854. p. 106.
— — (Oligyra) *H.* et *A. Adams* Gen. II. p. 302.

Habitat Cordova, Veracruz (Jaçot-Guillarmod).

Obs. „Specimen unicum adest, *H. Campanula Pfr.* forsan consocium.“

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126. **Hanleyana Pfr.** (*Gray* Phan. p. 272. — Oligyra *Ad.* Gen. p. 302.) . . . . Mon. p. 375.

127. **flavida Menke.** (Coll. 96. — *Gray* Phan. p. 272. — Oligyra *Ad.* Gen. p. 302. — *H. Ambieliana Boissy.* — *H. trossula Mor.*) . . . . . - - 376.

128. **H. brevilabris Pfr.**

T. globoso-turbinata, solidula, striatula, striis spiralibus confertis sub lente decussata, parum nitida, fulvida vel lutescens, interdum fascia 1 rubra cincta; spira convexo-conica, acuta; anfr. 5 vix convexiusculi, ultimus rotundatus, spira brevior; columella leviter arcuata, basi subsimplex, callum emittens tenuem, diffusum; apertura obliqua, fere semicircularis; perist. undique brevissime expansum. — Operc.? — Diam. maj. 7, min. 6, alt. 5 mill. (Coll. Nr. 97.)

Helicina brevilabris Pfr. in Proc. Zool. Soc. 1856. p. 380.

Habitat Chiapa reipublicae Mexicanae (Ghiesbreght).

§. 15.

129. **maxima Sow.** (*Gray* Phan. p. 274.) . . . . Mon. p. 378.
130. **nobilis Ad.** † (*Gray* Phan. p. 274. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 378.
131. **citrina Grat.** (Coll. 98. — *Gray* Phan. p. 274. — Pachystoma *Mörch* Yold. p. 43. n. 859. — *Ad.* Gen. p. 303. t. 87. f. 4. 4 a. 4 b. — *H. polita Sow.*) - - 379.
132. **sylvatica Orb.** † (*Gray* Phan. p. 277. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 382.
133. **fasciata Lam.** (Coll. 99. — *Gray* Phan. p. 277. — Pachystoma *Mörch* Yold. p. 43. n. 861. — *Ad.* Gen. p. 303, — *H. picta Fér.* — *H. rotellaris Menke.* — Habitat in insulis Martinique, Guadeloupe, St. Kitts.) . . . . - - 382.
134. **versicolor Pfr.** (Coll. 100. — *Pfr.* in Proc. 1851. p. 149. — *Gray* Phan. p. 278. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 383.
135. **Dysoni Pfr.** (Coll. 101. — *Ch.* ed. nov. p. 49. t. 8. f. 27—32 [nec 24—29]. — *Gray* Phan. p. 278. — Pachystoma *Ad.* Gen. p. 303.) . . . . . . - - 384.

136. **H. foveata Pfr.**

T. orbiculato-conoidea, tenuiuscula, sublaevigata, nitidula, flava vel fusco-rubella, plerumque fasciis saturatioribus et pallidis ornata; spira convexa, submucronata; anfr. $5^1/_2$ convexiusculi, sensim accrescentes, ultimus non descendens, basi convexior; fovea profunda juxta columellam brevem subdenticulatam notatus; apertura parum obliqua, semiovalis; perist. tenue, undique vix expansiusculum. — Operc. chartaceum, albidum. — Diam. maj. $7^2/_3$ min. 7, alt. $4^2/_3$ mill. (Coll. Nr. 102.)

Helicina foveata Pfr. in Proc. Zool. Soc. 1853. p. 58.
— — *Pfr.* in Malak. Bl. I. 1854. p. 107.
— — *Shuttl.* Diagn. n. Moll. Nr. 7. p. 154.
— — (Idesa) *H.* et *A. Adams* Gen. II. p. 304.

Habitat in insulis St. Thomas et Vieque.

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137. **sublaevigata Pfr.** (Coll. 103. — *Pfr.* in Proc. 1852. p. 87. — *Gray* Phan. p. 278. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 384.
138. **diaphana Pfr.** (*Gray* Phan. p. 279. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 384.

§. 16.

139. **Antillarum Sow.** (Coll. 104. — *Gray* Phan. p. 275. — Pachystoma *Ad.* Gen. p. 303.) . . . - - 380.

140. **H. rufa Pfr.**

T. subconoideo-depressa, solidula, subrugoso-striata et punctulata, nitida, rufa; spira subconoideo-convexa, vertice subtili; anfr. $4^1/_2$, superi planiusculi, ultimus latus, depressus, peripheria subrotundatus; apertura diagonalis, late semiovalis; columella verticaliter ab anfractu penultimo descendens, leviter curvata, antice in tuberculum desinens, callum basalem emittens subgranulatum, circumscriptum; perist. breviter expansum, albo-limbatum. — Operc. concolor. — Diam. maj. 13, min. 11, alt. $6^2/_3$ mill (Coll. Nr. 105.)

Helicina rufa Pfr. in Proc. Zool. Soc. 1856. p. 392.

β. Pallide straminea, perist. intus pallide aurantiaco.

γ. Minor, rufa; diam. maj. 10, min. $8^2/_3$, alt. $5^1/_2$ mill.

Habitat in insula Haiti (Sallé).

Obs. Affinis *H. Guadeloupensi Sow.*, sed peripheria non angulata.

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141. **oresigena Orb.** † (*Gray* Phan. p. 277. — Pachystoma *Ad.* Gen. p. 303. — *Oligyra oresignae Gray* Fig. t. 311. f. 6 ex Orb.) . . . . Mon. p. 382.

§. 17.

142. **similis Sow.** † (*Gray* Phan. p. 275. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 379.
143. **fulva Orb.** (Coll. 106. — *Gray* Phan. p. 276. — Pachystoma *Ad.* Gen. p. 303.) ? . . . . . . - - 381.
144. **Brasiliensis Gray.** (Coll. 107. — *Gray* Phan. p. 276. — Oligyra *Mörch* Yold. p. 43. n. 854. — Pachystoma *Ad.* Gen. p. 303. — *H. Menkeana Phil.* — *H. fasciata Deless.*) . . . . - - 381.

145. **H. Macgillivrayi Pfr.**

T. subconoideo-depressa, solidula, spiraliter obsolete striata, nitidula, carnea vel pallide lilacea, indistincte fasciata; spira breviter conoidea, subacuminata; anfr. $4\frac{1}{2}$ plani, ultimus peripheria obsoletissime angulatus; apertura perobliqua, subtriangulari-semiovalis; columella brevis, callum emittens crassiusculum, sulco brevi circumscriptum; perist. simplex, breviter expansum, versus columellam attenuatum. — Operc. immersum, rubello-corneum. — Diam. maj. $6\frac{1}{2}$, min. $5\frac{1}{2}$, alt. 4 mill. (Coll. Nr. 108.)

Helicina Macgillivrayi Pfr. in Proc. Zool. Soc. 1855. p. 102.

Habitat „Isle of Pines" Oceani Australici (Macgillivray).

146. **Küsteriana Pfr.** (*Gray* Phan. p. 279. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 385.

147. **Louisiadensis Forb.** (*Gray* Phan. p. 279. — Pachystoma *Ad.* Gen. p. 303.) . . . . – – 385.

148. **H. granum Pfr.**

T. conoideo-depressa, tenuiuscula, striis spiralibus, superne subdistantibus, basi confertis, obsoletis sculpta, pallide lutescens; spira brevissime turbinata; anfr. $4\frac{1}{2}$ convexi, ultimus peripheria rotundatus, basi medio impressus et vix callosus; apertura fere diagonalis, triangulari-semiovalis; perist. breviter expansum, margine basali cum columellari brevissimò subangulatim juncto. — Operc.? — Diam. maj. $3\frac{1}{2}$, min. $2\frac{3}{4}$, alt. 2 mill. (Coll. Nr. 109.)

Helicina granum Pfr. in Malak. Bl. III. 1856. p. 49.

— — *Pfr.* Novit. conch. I. p. 86. n. 148. t. 23. f. 20—23.

β. Fusco-succinea.

Habitat prope Holguin insulae Cubae (Poey), var. *β* Buenavista prope Bayamo (Gundlach).

§. 18.

149. **Sowerbyana Pfr.** (*Gray* Phan. p. 280. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 385.

150. **H. Idae Pfr.**

T. conoideo-depressa, tenuiuscula, striata, lineis spiralibus impressis, distantibus sculpta, nitida, lutea vel carnea; spira conoidea, acutiuscula; anfr. 5 planiusculi, ultimus peripheria subangulatus, basi convexior; callus basalis tenuis, concolor;

columella brevis, antrorsum subdentata; apertura diagonalis, subsemicircularis; perist. acutum, breviter expansum, intus labiatum. — Operc.? — Diam. maj. 8, min. $6^1/_2$, alt. $4^1/_2$ mill. (Mus. Cuming.)

Helicina Idae Pfr. in Proc. Zool. Soc. 1856. p. 339.

Habitat in insula Ceram (Ida Pfeiffer).

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151. **Gouldiana Forb.** † (*Gray* Phan. p. 282. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 388.

152. **H. Draytonensis Pfr.**

T. conoidea, solidula, ruguloso-striata striisque spiralibus nonnullis notata, parum nitida, carnea; spira conoidea, apice mucronulata, lutea; anfr. $4^1/_2$ planiusculi, ultimus subcarinatus, basi convexior, callo tenui, subdiffuso obductus; apertura diagonalis, triangulari-semiovalis; perist. album, breviter expansum, margine basali leviter arcuato, angulatim cum columella brevi, simplice juncto. — Operc.? — Diam. maj. $5^1/_2$, min. $4^1/_2$, alt. $3^1/_2$ mill. (Coll. Nr. 110.)

Helicina Draytonensis Pfr. in Proc. Zool. Soc. 1856. p. 392.

Habitat „Drayton Range" Australiae borealis.

153. **H. subdepressa Poey.**

T. subdepressa, solida, sub lente distanter oblique striata, sulcisque spiralibus nonnullis notata, fusco-carnea; spira convexo-conoidea, acutiuscula; anfr. 5 subplanulati, ultimus utrinque convexior, medio subangulatus; columella brevis, antrorsum subarcuata, callum album semicircularem retrorsum emittens; apertura fere diagonalis, integra, semiovalis; perist. album, incrassatum, duplicatum: externum breviter reflexum, margine basali cum columella dentem vel angulum obtusiusculum formante. — Operc.? — Diam. maj. 6, min. 5, alt. 4 mill. (Coll. Nr. 111.)

Helicina subdepressa Poey Memor. I. p. 420. t. 34. f. 22—26.
— — *Pfr.* in Malak. Bl. III. 1856. p. 147.

Habitat in insula Cuba, prope Cojimar (Poey), Cabo Cruz et Manzanillo (Gundl.).

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154. **Columbiana Phil.** (Coll. 112. — *Gray* Phan. p. 283. — Pachystoma *Ad.* Gen. p. 303.) . . . Mon. p. 388.

155. **H. denticulata Pfr.**

T. globoso-conica, solidula, oblique striata, minutissime decussata, rugis antrorsum descendentibus distantioribus sculpta, parum nitida, alba, superne late flavo-fasciata; spira convexo-conica, acuta; sutura eleganter denticulata; anfr. $5^1/_2$ vix convexiusculi, ultimus peripheria subangulatus, basi parum convexus; columella breviter arcuata, antrorsum dentata, superne rima brevi notata, retrorsum in callum tenuem abiens; apertura subtriangulari-semiovalis; perist. album, angulatim patens, medio in rostrum triangulare productum. — Operc.? — Diam. maj. c. rostro 13, min. fere 11, alt. 9 mill. (Mus. Cuming.)

Helicina denticulata Pfr. in Proc. Zool. Soc. 1855. p. 103.
— — *Pfr.* Novit. conch. I. p. 84. n. 144. t. 23. f. 9. 10.

Habitat Honduras.

156. **gonochila Pfr.** (Coll. 113. — *Gray* Phan. p. 283. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 389.

157. **H. gratiosa Pfr.**

T. subgloboso-turbinata, tenuiuscula, striatula, striolis spiralibus obsoletissime notata, nitida, pellucida, fuscescenti-rubra vel lutea; spira conoidea, acutiuscula; anfr. 5 convexiusculi, ultimus subcarinatus, antice rotundatus; columella subrecedens, alba, callum emittens albidum; apertura obliqua, subtriangulari-semicircularis; perist. undique breviter expansum. — Operc. tenue, solidulum, carneum. — Diam. maj. 9, min. $7^1/_2$, alt. fere 6 mill. (Mus. Cuming.)

Helicina gratiosa Pfr. in Proc. Zool. Soc. 1856. p. 385. Malak. Bl. 1856. p. 245.

Habitat „Admiralty Islands."

158. **scopulorum Mor.** (Coll. 111. — *Ch.* ed. nov. p. 72. t. 10. f. 21—23. — *Pfr.* in Mal. Bl. 1856. p. 148. — *H. marmorea Vel.* — *H. elongata Pfr.* Mon. n. 114. Nec *Orb.* — *Gray* Phan. p. 286.) . Mon. p. 389.

159. **H. pyramidalis Sowerby.**

T. trochiformis, tenuis, sublaevigata, lutea; spira subconcavo-conoidea, mucronata; anfr. $7^1/_2$ planiusculi, medii tenuiter spiraliter striati, ultimus subcarinatus; columella verticalis, complanata, callum tenuissimum retrorsum emittens; apertura diagonalis, subquadrangulari-ovalis; perist. tenue, breviter expansum, margine dextro leviter sinuato, basali versus colu-

mellam attenuato, angulum rectum cum ea formante. — Operc. solidulum, albidum. — Diam. maj. 8, min. 7, alt. 7 mill. (Coll. Nr. 115.)

Helicina conica Orb. Cub. I. p. 249. t. 20. f. 7—9.
— *pyramidalis Sow., Pfr.* Mon. Pneum. p. 390. n. 115.
— — *Gray* Cat. Phan. p. 284.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.
— — *Pfr. in* Malak. Bl. 1856. p. 148.

Habitat in provincia occidentali insulae Cubae (Gundlach).

§. 19.

160. **goniostoma Sow.** † (*Gray* Phan. p. 281. — Pachystoma *Ad.* Gen. p. 303) . . . . Mon. p. 387.

161. **H. rotella Sowerby.**

T. conoideo-depressa, tenuiuscula, sublaevigata (sub lente minutissime oblique striata), nitida, lutea; spira conoidea, acutiuscula; anfr. 5 planiusculi, ultimus peripheria subangulatus, albocinctus, basi convexior; columella brevis, alba, callum retrorsum emittens albidum; apertura parum obliqua, rotundato-triangularis; perist. breviter expansum, margine basali cum columella angulum obtusum formante. — Operc. tenue, albidum. — Diam. maj. 9, min. $7^1/_3$, alt. 5 mill. (Mus. Cuming.)

Helicina rotella Sow., Pfr. Mon. Pneum. p. 387. n. 108.
— — *Gray* Cat. Phan. p. 281.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.

Habitat in insula Tanna Novarum Hebridarum.

162. **Lindeni Pfr.** (*Ch.* ed. nov. p. 52. t. 8. f. 25. 26. [nec 22. 23]. — *Gray* Phan. p. 282. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 388.
163. **Salleana Pfr.** (Proc. 1852. p. 141. — *Gray* Phan. p. 282. — Pachystoma *Ad.* Gen. p. 303.) . - - 388.

164. **H. subglobulosa Poey.**

T. globoso-conica, solida, striatula, parum nitida, alba unicolor vel zonis 2 rufis ornata: altera lata prope suturam, altera angusta infra peripheriam; spira convexo-conica, acuminatiuscula; anfr. 6, primi planuli, penultimus convexior, subbiangulatus, ultimus subcarinatus, basi parum convexus; columella brevis, arcuata, sursum dilatata, linea impressa mu-

nita, callum emittens tenuem, diffusum; apertura parum obliqua, irregulariter semiovalis; perist. latum, angulatim patens, subexcavatum, ad utramque insertionem attenuatum. — Operc.? — Diam. maj. 10, min. $8^1/_3$, alt. 7 mill. (Coll. Nr. 116.)

Helicina subglobulosa Poey Memor. I. p. 115. 120. t. 12. f. 17—21.
— — *Pfr.* in Malak. Bl. I. 1854. p. 107. III. 1856. p. 146.

Habitat prope Trinidad insulae Cubae (D. Julio Sagebien), Bayamo (Gundlach).

165. H. Lembeyana Poey.

T. globoso-conica, solidula, sublaevigata, alba, fasciis dissolutis rubro-fuscis taeniata; spira convexo-conica, submucronata; anfr. fere 6 convexiusculi, ultimus spira paulo brevior, rotundatus, peripheria obsolete subangulatus; apertura obliqua, integra, subsemicircularis, intus rufa; columella brevis, antrorsum subdentata, callum emittens tenuissimum, diffusum; perist. album, breviter expansum, margine basali subincrassato. — Operc. membranaceum, pallide lutescens. — Diam. maj. 7, min. $6^1/_3$, alt. $5^1/_2$ mill. (Coll. Nr. 117.)

Helicina Lembeyana Poey Memor. I. p. 420. t. 33. f. 20—24.
— — *Pfr.* in Malak. III. 1856. p. 147.
— *globulosa Pfr.* in Malak. Bl. I. 1854. p. 106. Nec Orb.
β. Unicolor carnea.

Habitat in insula Cuba (Gundlach).

166. H. chrysochasma Poey.

T. elongato-conica, solida, oblique subtiliter striatula, nitidula, alba vel carnea; spira conica, apice acuminata, lutea; anfr. 8 subplani, ultimus convexiusculus, obsolete angulatus; columella brevis, retrorsum in callum latum, crassiusculum, aureum vel sanguineum dilatata; apertura diagonalis, rotundato-semiovalis, intus lutea vel aurantiaca; perist. tenue, expansum, margine supero levissime repando, basali versus columellam recto, acuto. — Operc. testaceum, medio sanguineum. — Diam. maj. 6, min. $5^1/_2$, alt. $7^1/_2$ mill. (Coll. Nr. 118.)

Helicina chrysochasma Poey Memor. I. t. 25. f. 17—19. II. p. 26.
— — *Pfr.* in Malak. Bl. III. 1856. p. 149.
Trochatella chrysochasma Trosch. Gebiss d. Schn. p. 79. t. 5. f. 6.
β. Major, anfr. 9, magis minusve elata; diam. maj. 8, min. 7, alt. 10 mill.

Habitat in ripis fluvii Taco Taco insulae Cubae (Gundlach).

167. **maculata Sow.** † (*Gray* Phan. p. 284. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 391.

168. **H. conoidea Pfr.**

T. conoidea, tenuiuscula, subscabre striata, vix nitidula, pallide corneo-grisea; spira regulariter conoidea, acutiuscula; sutura leviter impressa; anfr. $4^1/_2$ subplanulati, sensim accrescentes, ultimus utrinque convexior, peripheria subcarinatus; columella brevis, deorsum attenuata, callum basalem emittens tenuem, circumscriptum; apertura diagonalis, integra, subtriangularis; perist. simplex, margine supero vix expanso, basali subincrassato, reflexiusculo. — Operc.? — Diam. maj. $5^1/_2$, min. $4^3/_4$, alt. $3^1/_2$ mill. (Mus. Cuming.)

Helicina conoidea Pfr. in Proc. Zool. Soc. 1853. p. 53.
— — *Pfr.* in Malak. Bl. I. 1854. p. 108.

Habitat in insula Barbadoes.

169. **H. multicolor Gould.**

T. globoso-conica, solidula, levissime striatula, rufula, albo-variegata, vel citrina, interdum fusco-fasciata; spira convexo-conoidea; anfr. 4 vix convexiusculi, ultimus peripheria subcarinatus, basi convexior, callo crassiusculo centrali obductus; columella basi subincrassata; apertura diagonalis, fere semicircularis; perist. simplex, tenue, breviter expansum. — Operc.? — Diam. maj. $4^1/_2$, min. $3^3/_4$, alt. $2^2/_3$ mill. (Mus. Cuming.)

Helicina multicolor Gould Exped. Sh. t. 7. f. 110.
— — *Pfr.* Mon. Pneum. p. 353. n. 34.
— — *Gray* Cat. Phan. p. 255.
— — (Idesa) *H.* et *A. Adams* Gen. II. p. 304. (Pachystoma ib. p. 303.)
— — *Pfr.* in Malak. Bl. 1857. p. 36.

Habitat Tonga Taboo (Gould), Taheiti (spec. Gouldiana typ.).

§. 20.

170. **occidentalis Guild.** (*Gray* Phan. p. 280. — Pachystoma *Ad.* Gen. p. 303. — *Oligyra occidentalis M. E. Gray* Fig. t. 311. f. 4, ex Guild.) . . Mon. p. 386.

171. **H. Heatei Pfr.**

T. subdepressa, tenuiuscula, striatula et subgranulata, parum nitida, fasciis latis saturate purpureis et albis picta;

spira brevissime conoidea, mucronulata; anfr. 5 convexiusculi, ultimus latus, peripheria subcarinatus, basi circa callum fulvo-aurantiacum circumscriptum albus; apertura perobliqua, triangulari-semiovalis; columella brevis, perarcuata; perist. reflexum, laete aurantiacum, margine basali levissime arcuato, immediate in callum basalem continuato. — Operc.? — Diam. maj. 14, min. $11^1/_3$, alt. $7^1/_2$ mill. (Mus. Cuming.)

Helicina Heatei Pfr. in Proc. Zool. Soc. 1856. p. 392.

β. Lutea, spira et fascia unica supera anfr. ultimi purpureis, callo basali et peristomate igneis.

Habitat in insula Granada Indiae occidentalis (R. W. Heate).

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172. **amoena Pfr.** (Coll. 119. — *Gray* Phan. p. 281. — Pachystoma *Ad.* Gen. p. 303. — *H. purpureo-flava Mor.*) . . . . Mon. p. 386.
173. **Guadaloupensis Sow.** (Coll. 120. — *Gray* Phan. p. 275. — Pachystoma *Ad.* Gen. p. 303.) . - - 380.
174. **lutea Less.** † (*Gray* Phan. p. 281. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 387.

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175. **H. substriata Gray.**

T. conoideo-depressa, solidula, sublaevigata, striis spiralibus distantibus superne obsolete notata, albida, luteo flammulata vel taeniata; spira fornicata, mucronata; anfr. $4^1/_2$ vix convexiusculi, ultimus subcarinatus; columella brevissima, alba; apertura diagonalis, integra, semiovalis, intus albida; perist. incrassatum, breviter expansum, margine infero in callum basalem crassum elevatum, sursum diffusum, album continuato. — Operc. tenue, flavidum. — Diam. maj. $8^1/_2$, min. 7, alt. 5 mill. (Mus. Cuming.)

Helicina substriata Gray, Pfr. Mon. Pneum. p. 391. n. 117.
— — *Chemn.* ed. nov. p. 69. t. 9. f. 30.
— — *Gray* Cat. Phan. p. 284.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.

Habitat in insula Barbadoes.

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176. **convexa Pfr.** (Coll. 121. — *Gray* Phan. p. 285. — *Trosch.* Gebiss d. Schn. p. 81. t. 5. f. 8. — Pachystoma *Ad.* Gen. p. 303. — Hab. in ins. Bermuda.) . . . . Mon. p. 391.
177. **minuta Sow.** (Coll. 122. — *Gray* Phan. p. 285. — Pachystoma *Ad.* Gen. p. 303. — *H. discolor* et *flammeata Mlf.*) . . . . - - 391.

§. 21.

178. **H. Moquiniana Recluz.**

T. trochiformis, tenuiuscula, oblique striatula et spiraliter confertim lirata, albo-lutescens, fulvo maculata et subfasciata; spira conica, acutiuscula; sutura submarginata; anfr. $5\frac{1}{2}$, summi laevigati, ultimus magnus, utrinque convexus, peripheria carina alba, compressa, acuta munitus; columella brevis, verticalis, callum emittens tenuem; apertura subdiagonalis, subtriangulari-semiovalis, intus concolor; perist. album, dilatatum, margine supero expanso, leviter sinuato, basali fere stricto, reflexiusculo. — Operc. testaceum, extus sanguineum. — Diam. maj. 15, min. 12, alt. $9\frac{1}{2}$ mill. (Coll. Nr. 123.)

Helicina Moquiniana Recl., Pfr. Mon. Pneum. p. 393. n. 123.
— — *Gray* Cat. Phan. p. 286.
— — *Pfr.* in Malak. Bl. I. 1854. p. 108.
Trochatella Moquiniana H. et *A. Adams* Gen. II. p. 305.

Habitat in insulis Salomonis et in insula Tanna Novarum Hebridarum.

179. **H. straminea Morelet.**

T. trochiformis, solidula, oblique subrugoso-striata, lineis spiralibus sub lente decussata, vix nitidula, pallide flavescens; spira conica, apice submucronato; anfr. 7, superi convexi, sequentes plani, subexserte carinati, ultimus compresse et acute carinatus, basi parum convexus; apertura perobliqua, subtriangularis; columella brevis, vix arcuata, callum basalem tenuem emittens; perist. simplex, margine supero expansiusculo, basali breviter reflexo. — Operc. tenue, subtriangulare, albidum. — Diam. maj. 8, min. 7, alt. 6 mill. (Coll. Nr. 124.)

Helicina straminea Mor., Pfr. Mon. Pneum. p. 393. n. 123 a.
— — *Gray* Cat. Phan. p. 287.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.
— — *Pfr.* in Malak. Bl. III. 1856. p. 149.
— *exacuta Poey* Memor. I. p. 114. 120. t. 5. f. 7—9 (carina minus distincta).

Habitat in provincia occidentali insulae Cubae.

180. **H. rubromarginata Gundlach.**

T. campanulato-conica, solidula, striis incrementi et spiralibus vix conspicuis clathratula, interdum oblique malleata; spira conica, acuta, nucleo albo; anfr. 7, superi planiusculi,

lutescentes, ultimus subcompresse carinatus, supra carinam albidus, convexiusculus, basi citrinus vel rubellus; apertura perobliqua, subtriangularis, intus citrina; columella verticalis, callum sanguineum retrorsum emittens; perist. breviter. expansum, late sanguineo-limbatum, margine basali cum columella angulum obtusum formante. — Operc. solidum, albidum, margine columellari extus incrassato, citrino. — Diam. maj. 8, min. 7, alt. 7 mill. (Coll. Nr. 125.)

Helicina rubromarginata Gundl. in Pocy Memor. II. p. 15. t. 1. f. 17. 18.
— — *Gundl.* in Malak. Bl. III. 1856. p. 40.
— — *Pfr.* in Malak. Bl. III. 1856. p. 149.
— — *Pfr.* Novit. conch. I. p. 86. n. 147. t. 23. f. 17—19.

Habitat in monte Guajaibon insulae Cubae.

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181. **trochiformis Sow.** (Coll. 126. — *Gray* Phan. p. 289. — Pachystoma *Ad.* Gen. p. 303.) . . . Mon. p. 397.

182. **H. virens Pfr.**

T. conoidea, solida, striatula et sub lente minute spiraliter striata, carinata, nitida, albido-virens; spira convexo-conoidea, apice acuta; sutura marginata, carina interdum prominente; anfr. 6 vix convexiusculi, summi interdum rufo-fasciati, ultimus antice vix descendens, peripheria acute albo-carinatus, basi parum convexus; apertura diagonalis, subtriangulari-semiovalis; columella brevis, superne leviter impressa, callum emittens circumscriptum, luteum, subgranulatum; perist. acutum, album, expansum. — Operc. tenue, castaneum. — Diam. maj. $11^1/_3$, min. 10, alt. 8 mill. (Mus. Cuming.)

Helicina virens Pfr. in Proc. Zool. Soc. 1856. p. 339.

Habitat . . . ?

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183. **fulgora Gould.** (*Gray* Phan. p. 293. — *Ad.* Gen. p. 302.) . . . . Mon. p. 401.

184. **H. turbinella Pfr.**

T. turbinata, solidula, leviter striatula, vix nitidula, lutescens; spira conoidea, acutiuscula; anfr. $4^1/_2$ convexiusculi, ultimus carinatus, basi convexus; columella brevis, subverticalis, basi subtruncata, callum retrorsum emittens tenuissimum; apertura diagonalis, subtriangulari-semiovalis; perist. albidum,

tenue, breviter expansum, margine basali leviter arcuato. — Operc.? — Diam. maj. $4^1/_3$, min. 4, alt. 3 mill. (Mus Cuming.)

Helicina turbinella Pfr. in Proc. Zool. Soc. 1855. p. 103.

Habitat Sidney?

§. 22.

185. **Moreletiana Pfr.** (*Ch.* ed. nov. p. 69. t. 10. f. 1. 2. — *Gray* Phan. p. 286. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 392.

186. **H. Ghiesbreghti Pfr.**

T. conoidea, solidula, acute carinata, striis incrementi et oblique antrorsum descendentibus, sub lente decussatula, sulcisque spiralibus remotis sculpta, pallide lutea, ad suturam et carinam albo-fasciata; spira convexo-conoidea, submucronata; anfr. $5^1/_2$ vix convexiusculi, ultimus utrinque convexior; columella brevis, superne impressa, basi tuberculata, callum emittens nitidum, diffusum; apertura perobliqua, fere triangularis; perist. callosum, late expansum et reflexiusculum, ad carinam subrostratum. — Operc. solidulum, nigro-castaneum. — Diam. maj. $19^1/_2$, min. 16, alt. 10 mill. (Coll. Nr. 127.)

Helicina Ghiesbreghti Pfr. in Proc. Zool. Soc. 1856. p. 381.

Habitat Chiapa reipublicae Mexicanae (Ghiesbreght).

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187. **Kieneri Pfr.** (*Gray* Phan. p. 286.) . . . . Mon. p. 393.

188. **caracolla Moric.** (Coll. 128. — *Gray* Phan. p. 287. — Pachystoma *Ad.* Gen. p. 303.) . . . - - 394.

189. **H. cinctella Shuttleworth.**

T. subdepresse conoidea, carinata, tenuiuscula, oblique striata et sub lente striis spiralibus confertissimis circumdata, nitida, flavescenti-albida, supra carinam compressam albam fascia carnea doliquescente zonata vel fascia rubra apicali notata; spira conoidea, acutiuscula; anfr. $5^1/_2$ convexiusculi, ultimus basi parum convexus; apertura obliqua, triangularisemiovalis; columella tenuis, arcuata, extus impressione lineari munita, callum emittens albidum vel lutescentem; perist. album, subcallosum, breviter expansum, margine basali cum columella continuo. — Operc. tenue, pellucidum, aurantiaco-corneum. — Diam. maj. 11—12, min. $9^1/_2$—$10^1/_2$, alt. 8 mill. (Coll. Nr. 129.)

Helicina cinctella Shuttl. in Bern. Mittheil. 1852. p. 304. Diagn. Nr. 3. p. 44.

Helicina cinctella Pfr. in Malak. Bl. I. 1854. p. 109.

β. Paulo elatior, superne carneo-purpurea, basi unicolor pallide lutescens.

Habitat Cordova Status Veracruz (Jacot-Guillarmod, Sallé).

190. **H. suavis Pfr.**

T. *turbinata, tenuis, nitidissima,* superne striatula striisque *spiralibus* conferte notata, rubella, albido marmorata, vel lutea aut carnea, pallide rubro variegata; spira conoidea, acuta; anfr. fere 5 convexiusculi, ultimus compresse et acute carinatus, basi convexior; columella brevis, basi subdentata, callum emittens crassiusculum, diffusum; apertura obliqua, subtriangularis; perist. album, margine supero breviter expanso, basali reflexiusculo. — Operc.? — Diam. maj. $10^1/_2$, min. $8^3/_4$, alt. $6^2/_3$ mill. (Mus. Cuming.)

Helicina suavis Pfr. in Proc. Zool. Soc. 1856. p. 385. Malak. Bl. 1856. p. 245.

Habitat „Admiralty Islands."

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191. **concentrica Pfr.** (Coll. 130. — *Gray* Phan. p. 292. — Pachystoma *Ad.* Gen. p. 303.) . . . Mon. p. 400.

192. **carinata Orb.** (*Gray* Phan. p. 292. — Pachystoma *Ad.* Gen. p. 303.) . . . . - 400.

193. **H. Merguiensis Pfr.**

T. depresse turbinata, tenuiuscula, oblique striata et spiraliter confertissime sulcata, nitidula, carnea; spira conoidea, apice lutea, acutiuscula; anfr. $4^1/_2$ planulati, ultimus compresse et acute carinatus, basi modice convexus, callo centrali nitido, granulato munitus; columella brevissima, basi obsolete tuberculata; apertura diagonalis, triangularis; perist. album, breviter expansum, margine basali cum columella subangulatim juncto. — Operc. margaritaceum. — Diam. maj. $7^1/_2$, min. $6^2/_3$, alt. 4 mill. (Mus. Cuming.)

Helicina Merguiensis Pfr. in Proc. Zool. Soc. 1857. p. 111.

Habitat Mergui imperii Birmani.

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194. **striatula Pot. et Mich.** † (*Pot.* et *Mich.* Gal. p. 231. t. 23. f. 13. 14. — *Gray* Phan. p. 293. — Pachystoma *Ad.* Gen. p. 303.) . . . . . . Mon. p. 401.

195. **H. Lundi Beck.**

T. conoideo-lenticularis, solidula, oblique striata et irregulariter lirata, opaca, flavida; spira conoidea, acuta; sutura

submarginata; anfr. $4^1/_2$ infra suturam turgiduli, ultimus carinatus, basi convexus; apertura diagonalis, subtriangularis; columella brevis, simplex, callum emittens tenuem, subcircumscriptum; perist. breviter expansum, intus albo-callosum, margine basali cum columella angulum subacutum formante. — Operc.? — Diam. maj. $6^2/_3$, min. 6, alt. 4 mill. (Coll. Nr. 131.)

Helicina Lundi Beck in Mus. Menkeano.

Habitat „Lapa da Pedro dos Indos" Brasiliae.

§. 23.

196. **H. Candeana Orbigny.**

T. turbinato-lenticularis, solidula, ruguloso-striata, parum nitens, sordide lutescens; spira subconcavo-conoidea, apice acutiuscula; anfr. 5 planulati, subexserti, acute carinati, ultimus subtus convexiusculus, callo subcircumscripto munitus; columella brevissima, subdentata; apertura perobliqua, subrhombea; perist. subcallosum, ad carinam subrostratum, margine supero sinuato, expansiusculo, basali subreflexo. — Operc. lividum. — Diam. maj. 15, min. 12, alt. 8 mill. (Coll. Nr. 132.)

Helicina Candeana Orb., Sow., Pfr. Mon. Pneum. p. 399.
— — *Gray* Cat. Phan. p. 291.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.

Habitat ad sinum Hondurasanum (Sow.), Caraccas (Klocke).

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197. **agglutinans Sow.** (Coll. 133. — *Gray* Phan. p. 287. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 394.
198. **acutissima Sow.** (Coll. 134. — *Gray* Phan. p. 288. — Pachystoma *Ad.* Gen. p. 303.) . . . - - 395.
199. **oxytropis Gray.** (*Gray* Phan. p. 288. — Pachystoma *Ad.* Gen. p. 303. — *H. oxystoma Sow.*) - - 395.
200. **acuta Pfr.** (*Gray* Phan. p. 289. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 396.
201. **Lazarus Sow.** (*Gray* Phan. p. 289. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 396.

202. **H. albocincta Jacquinot.** †

T. lenticularis, laevigata, rufa; spira conoidea, acuta; anfr. 5 convexiusculi, carina alba suturali cincti, ultimus latior, compresse albocarinatus, basi convexus; callus basalis mediocris, circumscriptus; apertura triangularis; perist. anguste expansum, margine columellari superne dilatato, sublibero. — Diam. maj. 7, min. $5^2/_3$ mill. (Ex ic.)

Helicina albocincta Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 46. t. 11. f. 36—39.

Habitat in insulis Arrow.

§. 24.

203. **unifasciata Gray.** † (*Ch.* ed. nov. p. 69. t. 9. f. 29. — *Gray* Phan. p. 285. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 392.
204. **pallida Gould.** † (*Gray* Phan. p. 288. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 396.
205. **viridis Lam.** † (*Gray* Phan. p. 290. — Pachychystoma *Ad.* Gen. p. 303.) . . . . - - 397.
206. **taeniata Quoy.** † (*Gray* Phan. p. 290. — Pachystoma *Ad.* Gen. p. 303. — *Oligyra taeniata M. E. Gray* Fig. t. 311. f. 1 ex Quoy.) . . . . - - 398.

207. **H. Barbadensis Pfr.**

T. sublenticularis, tenuis, sub lente irregulariter rugulosa, haud nitida, diaphana, lutescenti-albida; spira breviter conoidea, acuminatiuscula; sutura vix impressa; anfr. $4^1/_2$ subplanulati, celeriter accrescentes, ultimus utrinque convexiusculus, peripheria acute carinatus: carina antice obsoletiore; columella brevissima, callum emittens parvulum, circumscriptum; apertura diagonalis, triangulari-semiovalis; perist. simplex, undique reflexiusculum. — Operc.? — Diam. maj. 6, min. 5, alt. 3 mill. (Mus. Cuming.)

Helicina Barbadensis Pfr. in Proc. Zool. Soc. 1853. p. 60.
— — *Pfr.* in Malak. Bl. I. 1854. p. 110.

Habitat in insula Barbadoes.

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208. **Stanleyi Forb.** † (*Gray* Phan. p. 293. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 401.
209. **Nicobarica Phil.** (Coll. 135. — *Gray* Phan. p. 293. — Oligyra *Mörch* Yold. p. 43. n. 857. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 402.

§. 25.

210. **rhodostoma Gray.** (*Gray* Phan. p. 290. — *Ad.* Gen. p. 303.) . . . . Mon. p. 398.
211. **bicolor Pfr.** (Proc. 1852. p. 146. — *Gray* Phan. p. 291. — Pachystoma *Ad.* Gen. p. 303.) . . . - - 398.

212. **H. spinifera Pfr.**

T. conoidea, tenuiuscula, oblique striata et spiraliter subconfertim lirata, flavida vel carnea, saepe saturatius tessellata

et ad suturam taenia articulata ornata; spira conoidea, acuta; anfr. 5 vix convexiusculi, ultimus acute carinatus, basi convexior; columella brevis, in spinam subacutam desinens, callum emittens vitreum, circumscriptum; apertura diagonalis, subtriangularis; perist. breviter expansum, margine basali substricto, reflexiusculo. — Operc. purpureo-castaneum, macula laterali pallida. — Diam. maj. 12, min. $10\frac{1}{3}$, alt. 8 mill. (Mus. Cuming.)

Helicina spinifera Pfr. in Proc. Zool. Soc. 1855. p. 118.

Habitat „Wanderer Bay, Guadalcanar" insul. Salomonis (Macgillivray).

213. **H. livida Jacquinot.** †

T. conoideo-depressa, laevigata, fulvo-lutea; spira conoidea, acuta; anfr. 5 planiusculi, ultimus carinatus, basi convexior; columella brevis, in dentem acutiusculum desinens; callus basalis circumscriptus; apertura triangulari-semiovalis; perist. undique breviter expansum, immediate in dentem columellarem abiens. — Operculum purpureum, medio lateris columellaris albidum. — Diam. maj. 11, min. 9 mill. (Ex ic.)

Helicina livida Hombr. et *Jacq.* Voy. Pol Sud. Zool. V. p. 47. t. 11. f. 40—44.

Habitat in insulis Salomonis.

Obs. Praecedenti peraffinis (forsan eadem?) sed lirarum defectu (neque in icone neque in descriptione indicatarum) diversa videtur.

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214. **angulata Sow.** (Coll. 136. — *Gray* Phan. p. 291. — Pachystoma *Ad.* Gen. p. 303.) . . . . Mon. p. 399.

§. 26.

215. **Beckei Pfr.** (Coll. 137. — *Gray* Phan. p. 294. — Pachystoma *Ad.* Gen. p. 303. — *H. carinata var. Sow.*) . . . . Mon. p. 402.

216. **variabilis Wagn.** (Coll. 138. — *Gray* Phan. p. 294. — Oligyra *Mörch* Yold. p. 43. n. 856. — Pachystoma *Ad.* Gen. p. 303. — *H. zonata Sow.* — *H. zephyrina Pot.* et *Mich.?* [*H. variabilis Mad. Dupont* coll.") — *H. rosea Mlf.* — *H. fasciata* et *flava Spix.*) . . . . - - 402.

217. **biangulata Pfr.** (Coll. 139. — *Ch.* ed. nov. p. 65. n. 89. t. 10. f. 34. 35. — *Gray* Phan. p. 295. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 403.

218. **Tilei Pfr.** (Coll. 140. — *Gray* Phan. p. 295. — Pachystoma *Ad.* Gen. p. 303.) . . . . - - 403.

219. **H. trochlea Gould.**

T. minuta, conoidea, tenuiuscula, striata et spiraliter lirata, lutescens, superne albido-maculata; spira acute conoidea; sutura canaliculata; anfr. 4 subplanati, ultimus superne liris 3—4 compressis munitus, peripheria acute bicarinatus, basi convexior, laevigatus, medio callo tenui, albido obductus; apertura parum obliqua, subtriangularis; perist. tenue, margine basali reflexiusculo, cum columella brevi angulum subrectum formante. — Operc.? -- Diam. maj. 3, min. $2^2/_3$, alt. 2 mill. (Mus. Cuming)

Helicina trochlea Gould Exped. Sh. t. 7. f. 109.
— — *Pfr.* Mon. Pneum. p. 404. n. 148. Malak. Bl. 1857. p. 37.
— — *Gray* Cat. Phan. p. 295.
— — (Pachystoma) *H.* et *A. Adams* Gen. II. p. 303.

Habitat Aurora Island. (Spec. Gouldiana typica.)

V. Schasicheila Shuttleworth.

Operculum tenui-testaceum, semicirculare, planiusculum, extus costa externe intramarginali elevata circumdatum, margine columellari stricto, intus lamella paululum producta incrassato et subsulcato, utrinque, sed praesertim inferne in apiculum producto, margine externo rotundato, acuto. — Testa heliciformis, epidermide pilosa partim obducta, basi impressa; apertura semicircularis; perist. subcontinuum, margine dextro juxta insertionem profunde inciso, infra incisionem alatim dilatato.

Schasicheila *) *Shuttl.* in Bern. Mittheil. 1852. Dec. p. 301. Diagn. n. Moll. Nr. 3. p. 41.
— *Pfr.* in Malak. Bl. I. 1854. p. 104.
— *H.* et *A. Adams* Gen. rec. Moll. II. p. 306: genus Helicinidarum.
Helicinae spec. *Menke, Pfr., Morelet, Gray.*

1. **Sch. Nicoleti Shuttleworth.**

T. depresse globoso-conica, tenuis, striatula, lineis spiralibus epidermide fusca soluta hispidulis circumdata, albida,

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*) Σχάσις, incisio; χεῖλος, labrum.

versus apicem rubescens; spira depressa, conica, acutiuscula; anfr. $4^1/_2$ vix convexiusculi, ultimus subtus inflatus, obtuse angulatus, antice rotundatus, seriebus 3 pilorum longiorum, quarum suprema ad suturam adscendente, barbatus; sutura subcanaliculata; columella stricta, callo tenuissimo extus profunde excavato munita; apertura ampla, obliqua, exacte semicircularis; perist. intus diffuse callosum, subincrassatum, expansiusculum, margine dextro pone incisionem valde et flexuose alatim producto. — Operc. typicum. — Diam. maj. $16^1/_3$, min. $13^1/_2$, alt. 11 mill. Ap. 9 mill. alta. (Coll. Nr. 141.)

Schasicheila Nicoleti Shuttl in Bern. Mittheil. 1852. Dec. p. 302. Diagn. n. Moll. Nr. 3. p. 42.
— — *Pfr.* in Malak. Bl. I. 1854. p. 105.
— — *H.* et *A. Adams* Gen. rec. Moll. II p. 306.
— — *Pfr.* Novit. conch. I. p. 89. n. 152. t. 25. f. 7—9.

Habitat prope Cordova status Veracruz (Jacot-Guillarmot, Sallé).

2. **Sch. alata Menke.**

T. globoso-conica, tenuis, magis minusve rugoso-striatula, seriatim hispidula, griseo-albida, fuscula vel carneo-rubescens; spira turbinata, acutiuscula; anfr. $4^1/_2$—5 convexi, ultimus rotundatus, fasciis 4—5 fusco-pilosis distinctioribus (peripherica ad suturam ascendente) circumdatus, basi juxta callum columellarem circumscriptum profunde impressus; columella simplex, recedens; apertura ampla, obliqua, lunato-rotundata; perist. tenue, intus vix incrassatum, expansiusculum, margine dextro juxta insertionem fere angulatim producto. — Operc. typicum. — Diam. maj. fere 11, min. vix $8^1/_3$, alt. $7^1/_2$ mill. (Coll. Nr. 142.)

Helicina alata Menke, Pfr. Mon. Pneum. p. 368. n. 66.
— — *Gray* Cat. Phan. p. 267.
Schasicheila alata Shuttl. in Bern. Mittheil. 1852. Dec. p. 301. Diagn. n. Moll. Nr 3. p. 41.
— — *Pfr.* in Mal. Bl. I. 1854. p. 104.
— — *H.* et *A. Adams* Gen. rec. Moll. II. p. 306. t. 87. f. 6.
— — *Pfr.* Novit. conch. I. p. 90. n. 153. t. 25. f. 10—12.

Habitat Cordova, Vera Cruz (Sallé).

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3? **pannucea Mor.** (*Shuttl.* Diagn. Nr. 3. p. 41. — *Pfr.* in Mal. Bl. 1854. p. 105. — *Ad.* Gen. p. 306. — *Helicina alata var.? Pfr.* Pneum. n. 66. not.) Mon. p. 369.

VI. Alcadia Gray.

Pfr. Mon. Pneum. p. 404. — *Gray* Cat. Phan. p. 295. — *Woodw.* Man. Moll. II. p. 178: subgenus Helicinae. — *H.* et *A. Adams* Gen. rec. Moll. II. p. 306: genus Helicinidarum.

Species notae:

7. A. rhamphostyla Pfr.

T. conoideo-globosa, solida, sublaevigata, albida vel lutescens; spira breviter conoidea, obtusula; anfr. $4^1/_2$, superi vix convexiusculi, ultimus magnus, rotundatus; columella lata, superne in callum crassum, semicircularem dilatata, basi dextrorsum curvata; apertura obliqua, subsemicircularis; perist. expansum, tenue, intus callosum, margine dextro subrepando, basali sinu profundo ab extremitate rostriformi columellae disjuncto, praeterea plica pone columellam intrante munito. — Operc.? — Diam. maj. $15^1/_2$, min. 13, alt. 12 mill. (Mus. Cuming.)

Helicina rhamphostyla (Alcadia) *Pfr.* in Proc. Zool. Soc. 1856. p. 391.

Habitat . . . ?

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11. **succinea Pfr.** (Coll. 148. — *Gray* Phan. p. 299. — *Ad.* Gen. p. 307. — *Helic. succinea Pfr.* 1850. — *Ch.* ed. nov. p. 72. t. 10. f. 15—17.) . . . . Mon. p. 409.

12. **A. velutina Poey.**

T. globoso-depressa, tenuis, rufa, pilis brevibus confertis superne velutina, infra peripheriam seriebus pilorum longiorum, ad columellam fere squamaeformium, quasi angulata; spira parum elevata, subacuminata; anfr. 5—5½ convexiusculi; apertura diagonalis, semiovalis; columella brevis, callosa, arcuatim canaliculata, in dentem liberum terminata; perist. simplex, expansiusculum, margine supero sinuoso, basali a dente columellari incisura profunda separato; callus basalis tenuis, granulatus. — Operc. margaritaceum, rubicundum. — Diam. maj. 10½, min. 8¾, alt. 6 mill. (Coll. Nr. 149.)

Helicina velutina Poey Memor. II. p. 35. t. 4. f. 6. 7.
Alcadia velutina Pfr. in Malak. Bl. V. 1858. p. 5.

Habitat in monte Guane partis occidentalis insulae Cubae.

13. **A. dissimulans Poey.**

T. globoso-depressa, tenuis, rufo-virescens, pilis brevibus confertis superne velutina, subtus seriebus remotis pilorum longiorum subangulata; spira parum elevata, subacuminata; anfr. 5 convexiusculi, ultimus juxta columellam callo tenui, granulato munitus; apertura diagonalis, late semiovalis; columella brevissima, in denticulum acutiusculum terminata, extrorsum vix canaliculata; perist. simplex, expansiusculum, margine supero subangulatim producto, basali flexuoso, a dente columellari incisura brevi separato. — Operc. praecedentis. — Diam. maj. 9, min. 7⅔, alt. 5½ mill. (Coll. Nr. 150.)

Helicina dissimulans Poey Memor. II. p. 35. t. 4. f. 8. 9.
Alcadia dissimulans Pfr. in Malak. Bl. V. 1858. p. 5.

Habitat in montibus Guanensibus partis occidentalis insulae Cubae.

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14. **solitaria Ad.** (Coll. 151. — *Gray* Phan. p. 300. — *Ad.* Gen. p. 307. — *Helic. Guildingiana Pfr.* 1848. — *Helic. solitaria C. B. Ad.*) . . . . . Mon. p. 410.
15. **dubiosa Ad.** (*Gray* Phan. p. 300. — *Ad.* Gen. p. 307. — *Helic. dubiosa C. B. Ad.*) . . . . - - 410.
16. **megastoma Ad.** (Coll. 152. — *Gray* Phan. p. 301. — *Ad.* Gen. p. 307. — *Helic. megastoma C. B. Ad.*) — *β. Helic. affinis C. B. Ad.*) . . . - - 411.

17. **macilenta Ad.** (*Gray* Phan. p. 301. — *Ad.* Gen. p. 307. — *Helic. macilenta C. B. Ad.*) . . Mon. p. 411.

18. **A. rubella Pfr.**

T. conoideo-depressa, tenuis, oblique striatula, pilosa (detrita oleoso-micans, diaphana), rubello-cornea; spira convexa, vertice mucronulato; anfr. $5^1/_2$ angusti, vix convexiusculi, ultimus peripheria obsolete subangulatus, basi convexior; apertura fere diagonalis, semilunaris; columella brevis, in denticulum sulco a callo basali tenuissimo separatum desinens; perist. tenue, undique breviter expansum, margine basali subrectilineari, incisura levi a columella distincto. — Operc. membranaceum, concolor. — Diam. maj. $6^1/_3$, min. $5^1/_2$, alt. 4 mill. (Coll. Nr. 153.)

Helicina rubella (Alcadia) *Pfr.* in Proc. Zool. Soc. 1853. p. 60.
Alcadia rubella Pfr. in Malak. Bl. I. 1854. p. 110.
— — *H.* et *A. Adams* Gen. II. p. 307.

Habitat in insulis St. Thomas et St. Jan Indiae occidentalis.

19. **A. Gundlachi Pfr.**

T. conoideo-depressa, tenuis, sub lente rugulosa, vix nitidula, corneo-rubella; spira brevis, regulariter conoidea; sutura impressa, pallide submarginata; anfr. 5 convexiusculi, sensim accrescentes, ultimus magnus, rotundatus, ad peripheriam obsoletissime angulatus et pallide zonatus, basi convexiusculus; columella brevis, in denticulum retroflexum desinens, superne callum emittens tenuem, vix circumscriptum; apertura obliqua, semiovalis; perist. brevissime expansiusculum, margine basali subrectilineari, incisura brevi a columella separato. — Operc. membranaceum, carneum. — Diam. maj. $5^1/_2$, min. 5, alt. $3^2/_3$ mill. (Coll. Nr. 154.)

Alcadia Gundlachi Pfr. in Malak. Bl. I. 1854. p. 110. III. 1856. p. 150.

Habitat in insula Cuba (Dr. Gundlach).

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20. **hispida Pfr.** (Coll. 155. — *Gray* Phan. p. 301. — *Ad.* Gen. p. 307. — *Pfr.* in Malak. Bl. 1856. p. 150. — *Helic. hispida Pfr.* 1839. — *Helic. dentigera Orb.*) . . . . Mon. p. 412.

21. **A. capax Gundlach.**

T. conoideo-globosa, ambitu orbicularis, tenuis, striatula et sub lente punctulata, pellucida, aurantiaco-succinea; spira

conoidea, acutiuscula; anfr. $4^1/_2$ convexiusculi, ultimus spira altior, rotundatus; columella recedens, callum emittens albidum, diffusum, basi in denticulum terminata; apertura obliqua, fere semicircularis; perist. expansiusculum, margine dextro superne antrorsum dilatato, basali incisura levi a denticulo columellae separato. — Operc. testaceum, tenue, albidum. — Diam maj. 5, min. $4^1/_2$, alt. 4 mill. (Coll. Nr. 156.)

Helicina capax Gundl. mss.

Alcadia capax Pfr. in Malak. Bl. IV. 1857. p. 113.

Habitat prope Trinidad insulae Cubae.

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22. **minima Orb.** (Coll. 157. — *Gray* Phan. p. 302. — *Ad.* Gen. p. 307. — *Pfr.* in Mal. Bl. 1856. p. 150. — *Helic. minima Orb.*) . . . . Mon. p. 412.

23. **pusilla Ad.** † (*Gray* Phan. p. 302. — *Ad.* Gen. p. 307. — *Helic. pusilla C. B. Ad.*) . . . . . - - 413.

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generum, specierum et synonymorum.